Author Index

The index includes authors of Special (Signed) Articles, Nutrition Classics, Clinical Nutrition Cases, Letters to the Editor, Responses to Letters to the Editor, Special Reports, authors mentioned in the New Titles section, Marabou Symposium authors and discussants, and authors whose work is cited in any of the articles. A prefix indicating the type of contribution may precede the page number, as follows:

B:	New Titles	NC:	Clinical Nutrition Cases
CL:	Nutrition Classics	R:	Responses
LE:	Letter to the Editor	SA:	Special (Signed) Article
MSA:	Marabou Symposium Article	SR:	Special Report
MSD:	Marabou Symposium Discussion		

Aaes-Jorgensen, E, 194
Aagaard, O, 133, 316
Abbs, MT, 250
Abdalla, MI, 262
Abdelaal, AE, 262
Abe, E, 300
Abell, LL, 64
Abernathy, RP, 185
Abraham, S, 386
Abrahams, S, 261
Acheson, KJ, 59
Ackman, RG, 133, 134
Adachi, K, 323
Adam, DJD, 304
Adamo, S, 346
Adams, JS, 7
Adams, KG, 300
Adams, R, 142
Adamson, I, 24
Adelman, J, 155
Adham, NF, 183
Adiga, PR, 180
Adrianzen, BT, 163
Aggett, PJ, 360
Agnish, ND, 198, 298
Ahern, J, 49
Ahfeldt, PE, 73
Ahn, CH, 169
Ahrens, EH, MSD82, 142
Ahrens, EH, Jr, MSA59, 64, 133, 148, 201
Aikawa, JK, 261
Ajl, SJ, 322
Akesson, B, 294
Albert, A, 261
Alberti, KGMM, 49
Albright, T, 363
Albrink, MJ, 64
Alcade, E, 262
Aldrich, PE, CL337
Alessandrini, P, 207
Alexander, JW, 296, 297
Alexander, WD, 261
Alfin-Slater, RB, 154
Algert, S, 165
Allen, KGD, 219
Allen, PL, 250
Allen, RH, 238
Alling, C, 294
Alloatti, DA, 7
Aloia, JF, 363
Alpers, DH, 238, 241
Alpsten, M, 49
Alvarado, J, 358
Alvarez, F, 269
Alvedano, MI, 294
Alving, AS, 261
Amacher, P, 273
Amedee-Manesme, O, 123
Ames, MM, 29, 31
Ammann, AJ, 299
Anagnoste, B, 250
Anast, CS, 113
Andersen, DW, 79
Anderson, GH, 104
Anderson, HL, 186
Anderson, IH, 54
Anderson, JT, 133, 358
Anderson, JW, 73
Anderson, RE, 293, 294
Anderson, RR, 300
Anderson, TA, 79
Anderson, V, 54
Andersson, D, 49
Andersson, H, 49, MSD82
Andres, R, 59, 365
Andrews, J, 296
Andrus, SB, 294
Angelini, C, 233
Annest, JL, 200, 386
Ansell, G, 326
Antonis, A, 133
Antonis, H, 64
Antonis, S, 148
Antonoff, L, 49
Anundi, H, 218
Aoki, H, 323
Aoki, K, 213
Applegate, EA, 101
Aratan-Spire, S, 262
Ariens, EJ, 118
Armstrong, BK, 201
Arnaud-Battandier, J, 198
Arnfred, T, 134
Arnold, K, 326
Arnold, RM, 7
Aro, A, 49
Arroyo, P, 106
Arteaga, C, 297
Ashworth, A, SA157, 163, NC175, 175, 267, 273
Asp, N-G, 54, MSD80
Assadi, FK, 360
Atkinson, T, 163
Attrill, H, 297
Aurbach, GD, 300
Aust, SD, 322
Austen, KF, 134, 139
Avioli, LV, 377
Avrameas, S, 283
Axelson, ML, 106
Aylcott, C, 133
Azcona, JO, 8
Azubuike, JA, 163

Babayan, VK, 20
Babcock, R, 294
Bach, A, 20
Bach, JF, 262
Bader, PI, 336
Bailey, DE, 79
Bailey, SM, 200, 385, 386
Baird, IM, 54
Baker, EM, 15
Baker, FL, 252
Baker, PT, 267
Baker, RD, 262
Bakin, H, 109
Bakkeren, JAJM, 165
Balasubramaniam, S, 148
Balaz, R, 262
Baldwin, JM, 48, 73
Balistreri, WF, 269
Baltassat, P, 252
Bamji, MS, 180
Bang, HO, 133, 134, 142, CL143, 207, 316
Baniecki, JF, 7
Bantle, JP, 73
Banu, N, 231
Bapu Rao, S, 27
Baranetsky, NG, 376
Barbour, GL, 300
Barclay, D, 263
Barcome, DF, 218, 219
Bardelas, A, 261
Barger, G, CL274
Barker, H, 73
Barker, HM, 48, 49
Barker, LM, 101
Barkhaus, PE, 269
Barlet, JP, 8
Barlow, SM, 133, 134
Barnes, DW, 246, 247
Barr, RM, 346
Barrett, DJ, 299
Barrett, JG, 154
Barstad, L, 195, 293, 294, 305
Bartholomay, AF, 360
Bartlett, HS, 323
Bartley, W, 15
Bass, JJ, 156
Bassel, PS, 374
Basta, S, 163
Bates, CJ, 124
Bates, PC, 163
Batt, RD, 323
Battistone, GC, 235
Baum, D, 109
Bauman, DE, 155, 156, 343
Baumgartner, R, 241
Bawol, RD, 64
Bay, C, 165
Baylink, DJ, 300
Bazan, NG, 294
Beach, TJ, 323
Beames, RM, 120
Bean, J, 386
Béas, F, 261, 273
Beaton, GH, SA349, 358
Beaver, DL, 348
Becker, D, 262, 273
Becker, JE, 358
Beckers, C, 261, 262, 273
Beers, MF, 250
Behlow, RF, 323
Beilin, JL, 201
Beisel, WR, 262
Beitz, J, 316
Bell, EA, 322
Bell, JG, 185
Belton, H, 163
Bender, DA, 27, 379
Bendich, A, 374
Benediktsson, B, 137
Benevenga, NJ, 26
Benford, DJ, 118
Benjauthrit, B, 64
Benke, PJ, 198, 298
Bennett, CM, 49
Bennett, OA, 185
Benolken, RM, 293, 294
Benowitz, NL, 331
Bereziat, G, 195
Berg, T, 217, 218, 314
Berger, I, 134
Berger, LL, 252
Berger, R, 336
Bergerin, Y, 172
Berghem, L, 231
Bergmann, SR, 344
Bergström, J, 59
Bergstrom, S, 195
Berkel, J, 201
Berlow, S, 241
Bernard, MC, 227
Bernier, JJ, 229
Bernsohn, J, 293
Berrier, JJ, 49
Bershad, S, 198, 298
Bersohn, I, 64
Bersot, T, 326
Bertrand, D, 386
Bessard, T, 59
Bethenod, M, 252
Bettger, WJ, 246
Betton, H, 262, 273
Beynen, AC, 201
Bickard, M, 73
Bieri, JG, 375
Bierman, EL, 64, 73
Bijsteveld, K, 336
Bikle, DD, 300
Bilistreri, WF, 269
Billington, CJ, 163
Bills, CE, 6
Bindon, JR, 267
Bingham, S, 54
Bingham, SA, 54
Birch, D, 101, 328
Birch, HG, 262
Birch, LL, 101, 328
Bird, J, 49
Bird, JN, 49
Bird, TA, 25
Birk, Y, 54
Birnbaum, SM, 166
Birnholz, J, 363
Biron, P, 386
Bishop, AJ, 238, 241
Bistrian, BR, 20
Bixler, TJ, 163
Bjelke, E, 133
Bjerregaard, P, 133
Björck, I, 54
Björntorp, P, 64
Black, AK, 139
Black, KL, 133, 195
Black, S, 304
Blackburn, GL, 20
Blackburn, H, 358
Blackburn, NA, 49
Blacker, RC, 262
Blackman, SS, Jr, 348
Blakeborough, P, 182
Blanchard, RA, 12
Blaner, WS, 314
Blank, ML, 293
Blankenhorn, DH, 64
Blattner, WE, 265
Blaxter, K, 175
Bleyer, G, 49
Bloch, K, 336
Block, HV, 316
Blomhoff, R, 217, 218, 314
Blomstrand, R, 64
Blonk, IH, 300
Bloom, SR, 49
Bloss, HE, 7
Blue, PW, 363
Blumenthal, HP, 137
Bockman, DE, 299
Boelsche, AN, 304

Boers, GHJ, 165
Boland, RL, SA1, 7, 8
Bollag, W, 298
Bond, JH, 54
Bonino, M, 8
Boogaerts, JR, 151
Boorman, KN, 163
Booth, A, 7
Booth, DA, 101
Booth, G, 101
Borbolla, L, 261
Borden, M, 333
Borms, J, 163
Bornens, M, 283
Bosch, M, 163
Bosman, GJCGM, 374
Bosschieter, EB, 133
Boston, R, 134, 142
Böttiger, LE, 73
Bouchard, C, 386
Boulos, P, 49
Bourges, H, 163
Bourre, J, 294
Bowen, DJ, 331
Bowie, MD, 163, 262
Bowling, AC, 48, 49, 73
Bowser, PA, 154
Boyd, RD, 156
Bozian, RC, 294
Brackett, KA, 297
Bradfield, RB, 163
Bradshaw, JM, 12
Bradshaw, RA, 156
Brain, SD, 139
Branch, WJ, 54
Brand, JG, 101
Brand, RJ, 64
Brandt, IK, 336
Braun, JT, 198, 298
Braunwald, E, 142
Braverman, LE, 261
Bray, G, 59
Brazeau, P, 195
Breckenridge, WC, 293
Bremer, J, 134
Bremner, I, B348
Bremner, WJ, 363
Brendel, K, 22
Brenner, BM, 43
Brenner, RR, 294
Brenner, V, 231
Brewer, HB, 198
Bricker, NS, 109
Bridges, JW, 118
Brinck, UC, 49
Brinkman, AS, 300
Brinkuis, BGAM, 79
Brion, P, 200
Brock, JF, 133, 134, 148, 227
Brokken, TK, 7
Bronsgeest-Shoute, HC, 148
Bronte-Stewart, B, 148
Bronte-Stewart, BA, 133
Brooke, OG, 163
Brooks, SH, 64
Broquist, H, SA317, 322
Broquist, HP, 323
Browdy, BL, 360
Brown, BE, 154
Brown, CA, 109
Brown, GM, 133
Brown, KH, 102
Brown, MR, 22
Brown, MS, 241
Brown, PK, 293
Brown, SW, 363
Brown, WJ, 233
Brown, WV, 198, 298
Brownie, C, 358
Brox, JH, 134
Bruce, A, MSD80
Bruce, A, 294
Bruce, WR, 265
Brugh, MR, 346
Brumbaugh, PF, 300
Brummer, RJM, 49
Brunetti, AJ, 235
Bruno, D, 294
Brunzell, JD, 64, 73
Bryan, H, 104
Bryce, G, 377
Buchala, AJ, 7
Buchanan, E, 163
Buck, SH, 22
Buckley, GC, 49
Bucsics, A, 22
Bullen, B, 363
Bunce, GE R219
Bunn, HF, 43
Bunting, S, 195
Burke, BJ, 49
Burkitt, DP, 54
Burks, TF, 22
Burley, VJ, 101
Burman, K, 273
Burns, CA, 15
Burns, JA, 379
Burr, GO, 132, 194, 293, 304
Burr, MM, 132, 194, 293, 304
Bursac, KM, 300
Bursak, K, 6
Burt, RW, 265
Bury, J, 326
Butkers, D, 198
Butler, WR, 156, 163
Butler-Simon, N, 269
Buttery, BP, 163
Buttolph, ML, 79
Buzby, GP, 231
Bwibo, N, 163
Byrnes, MJ, 195

Cabanac, M, 101
Cabrejas, M, 7, 8
Cacicedo, L, 263
Cade, C, 376
Caglar, S, 109
Cahill, G, 49
Cahill, GF, MSA40, 43, MSD80
Camberos, H, 7
Camelon, K, 49
Cameron, E, 29, 32
Cameron, SK, 188
Camp, RDR, 139
Campbell, A, 29
Campbell, AT, 101
Campbell, D, 360
Campbell, RG, 59
Campos, JLE, 6
Canary, JJ, 186
Cancino, A, 261
Canellos, GP, 238
Canfield, WK, 186
Canham, JE, 15, 123, 261
Cannon, PJ, 134
Canterbury, JM, 109
Capen, CC, 7
Cardot, P, 195
Carlson, LA, 73
Carney, SM, 217
Carpenter, KJ, 27, 368, B380
Carpenter, TO, 113
Carr, FE, 262
Carre, M, 7
Carrillo, BJ, 6, 7, 8
Carroll, JE, 233
Carroll, MD, 386
Carson, DD, 346
Carter, AP, 219
Carter, CA, 195
Carter, DC, 49
Carter, RD, 49
Carty, SE, 250
Casco, C, 8
Casey, RE, 238, 241
Cashin, WL, 64
Casperd, NM, 293
Cassidy, MM, 24

Castell, JD, 294
Castelli, WP, 73
Caster, H, 326
Castle, GW, 73
Castonguay, TW, 101
Catsos, PD, 362
Cederbaum, SD, 233
Cerletty, JM, 376
Chakraborty, R, 200, 386
Chalcarz, W, 24
Chan, H, 163, 169
Chan, Y-L, 300
Chance, B, 379
Chance, G, 326
Chance, GW, 293
Chandra, RK, 137, 185, 263, 283, R284
Chang, S, 148
Chang, SY, 7
Chang, WC, 134
Chapell, J, 326
Chapin, LT, 156
Chapoy, PR, 233
Chappell, JE, 293
Chase, A, 101
Chaudhry, MA, 79
Chavez, A, 163
Chen, DT, 198, 298
Chen, T, 300
Chen, W-JL, 73
Cheney, M, 269
Cheraskin, E, 330
Cherif, A, 59
Chertow, BS, 376
Chery, A, 358
Chesnut, CH, 363
Chesters, JK, 185, B348
Chick, H, 227
Child, PT, 49
Childs, B, 333
Cho, ES, 373
Choay, J, 262
Choolun, R, 54
Choppa, AK, 7
Chopra, IJ, 262
Christ-Hazelhof, E, 154, 207
Christakis, G, 263
Christakos, S, 376
Christensen, HN, 333
Christiansen, EN, 134
Christoffersen, BO, 134
Chu-Shek, L, 163
Chua Teco, GN, 262
Chudapongse, P, 22
Chvapil, M, 284
Chytil, F, 204, 314
Ciegler, A, 322
Cimbala, ME, 188
Clandinin, M, 326
Clandinin, MT, 293
Clapp-Channing, NE, 172
Clark, DC, 385
Clark, LC, 219, R220
Clark, MB, 300
Clark, SA, 376
Clark, VA, 360
Clarren, SK, 360
Claude, JR, 73
Claverie-Benureau, S, 283
Cleaver, AE, 360
Cleghorn, G, 104
Clemens, TL, 7
Clemmons, DR, 163
Clevenstine, EC, 322
Clifford, AJ, 346
Clow, CL, 165
Coats, DA, 304
Coburn, JW, 7, 8, 300
Cochet, B, 49
Coguet, D, 79
Cole, DJA, 163
Cole, PE, 200, 385, 386
Cole, RC, 7
Colegate, SM, 322, 323
Coleman, MS, 12
Collier, RJ, 156
Collins, FD, 304
Collins, JC, 7
Collins, KD, 311
Collinson, E, 54
Colman, N, 358
Colston, K, 300
Combs, GF, Jr, 219, R220
Comite, H, 198
Compston, FE, 12
Conacher, HBS, 235
Cone, C, 300
Cone, RA, 293
Coniglio, JG, 341
Connelly, SM, 198
Connor, S, 134, 142
Connor, WE, 64, 133, 134, 142, 148, 195, 207, SA285, 293, 294, 305
Consolazio, CF, 261
Cook, JD, 358
Cook, PG, 331
Cooke, AR, 229, 238, 241
Cooper, L, 109
Cooper, RA, 134
Copeland, DH, 280
Corcoran, C, 220
Corey, EJ, 134, 139
Corey, P, 358
Cornatzer, WE, 341
Cornforth, JW, 336
Cornforth, RH, 336
Cornoni-Huntley, J, 386
Corradino, RA, 7
Costales, F, 261
Costill, DL, 59
Costrini, NV, 376
Cotman, C, 293
Coulander, C, 133
Coulson, AH, 360
Coulston, AM, 73
Cousins, M, 358
Cousins, RJ, 182, 183
Cowan, JW, 261
Cowan, MJ, 299
Cowling, EB, 252
Cox, AG, 265
Cox, GE, 79
Cox, RW, 294
Coyle, E, 59
Coyle, EF, 59
Craen, M, 262
Craig, IH, 134
Crapo, PA, 48, 73
Cravioto, J, 106, 261, 262
Crawford, A, 227
Crawford, MA, 293, 294
Creagan, ET, 29, 31, 32
Creamer, B, 12
Creasia, D, 280
Creek, KE, 346
Cresteil, C, 269
Croft, KC, 201
Croom, WJ, Jr, 323
Csima, A, 49
Cullen, AM, 333
Cullen, JM, 323
Culler, FL, 300
Culp, B, 133
Culp, BR, 133, 134, 195
Culp, FB, 341
Cummings, JH, MSA50, 54, MSD80
Cummins, ML, 219
Cunnane, SC, 341
Curb, JD, 133
Currie, WB, 343
Curry, CJ, 198, 298
Curtis, R, 294
Czervionke, RL, 207

Dabancens, A, 261
Dabeka, RW, 235

Da Costa, JBD, 6
Dadd, RH, 294
Daft, PA, 299
Dakou-Voutetaki, A, 263
Dali, H, 329
Dallman, PR, 23, 358
Dallner, G, 218
Dalloso, HM, 331
Dalsky, G, 59
Daltabuit, M, 106
Dalyell, EJ, 227
Dämmrich, K, 7
Daniellson, H, 195
Danon, A, 195, 305
Darby, A, 363
Dardenne, M, 262
Davicco, MJ, 8
David, L, 252
David, M, 300
Davidson, EM, 139
Davidson, K, 195
Davidson, S, 134, 227
Davies, PA, 109
Davies, PS, 54
Davis, CM, 101, CL114
Davis, D, 79
Davis, M, 227
Davis, MV, 358
Davis, P, 326
Davis, RA, 151
Davis, SL, 156
Davis, SR, 156
Davis, TP, 22
Davison, AN, 262
Dawes, EA, 231
Dawson, R, 326
Day, HG, 358
Day, KC, 54
Dayrel, MD, 6
Dean, RJA, 109
Dearden, LC, 163
deBoer, HA, 155
deBoland, AR, 7
De Cock, P, 262
Dedonder, E, 294
Deese, AJ, 293
DeFronzo, RA, 59, 365
Deftos, LJ, 300
DeGeeter, MJ, 155
DeGroot, AP, 79
DeGroot, LJ, 263
de Jong, AP, 134
DeKeersgieter, W, 326
Delange, F, 261, 263
DeLorme, CB, 341
De Luca, LM, 263, 346
De Luca, HF, 6, 7, 8, 300, 376
Del Villano, BC, 360
De Nayer, P, 261, 262
DenBesten, L, 64
Denien, M, 262
Deo, MG, 261
Deprés, JP, 386
Derache, R, 79
de Ramos, M, 358
D'Ercole, AJ, 163
Dern, RJ, 261
DeRubertis, FR, 262
De Ruiter, L, 101
Deschner, E, 265
Deshmukh, K, 25
Deshpande, PD, 7
De Vernejoul, MC, 7
De Visscher, M, 261, 262, 263
de Waal, AWL, 101
Dewailly, P, 294
Deysher, M, 101
Dick, TE, 262
Dicken, CH, 198
Dickerson, JWT, 175, 294, 315
Dienst, C, 231
Dietschy, JM, 336
Dietz, WH, Jr, 9
Dilawari, J, 49
Dilibierto, EJ, Jr, 250
DiMari, SJ, 323
Dirksen, G, 7
Dirren, H, 263
di Sant'Agnese, PA, 375
DiSorbo, DM, 248
Do, C, 195
Dobbin, V, 64
Dobbing, J, 262
Dobereiner, J, 6
Dockray, GJ, 22
Dodd, DA, 106
Doerfler, W, 280
Dohmann, C, 238
Dolphin, PJ, 150
Dominioni, L, 296, 297
Donaldson, WE, LE219, 220
Donner, CC, 73
Donner, M, 284
Dorling, PR, 322, 323
Dormandy, TL, 134
Dougherty, C, 172
Dowd, PM, 139
Dowdy, RP, 186
Downer, JL, 294
Downing, DT, 154, 198, 373
Doyle, JT, 73
Dozin-Van Roye, B, 262
Drake, TGH, 15
Drasar, BS, 54, 265
Dratz, EA, 293
Dray, F, 195
Dreef-van der Meulen, HC, 79
Dreizen, S, 163, 262
Dreven, CA, 218, 314
Drewnowski, A, 101
Drinkwater, BL, 363
Driscoll, RH, 12
Drivas, G, 358
Drizd, TA, 267
Drummond, JC, 227
Dubas, TC, 348
Dubick, MA, 25
Ducimetiere, P, 73
Duclaux, R, 101
Dudley, PA, 294
Duerre, JA, 341
Dumont, O, 294
Dunham, RB, 101
Dunn, WL, 363
Duong, LT, 250
Dupre, J, 49
Duquesnel, J, 101
Durand, G, 294
Durber, AP, 134
Durlach, J, 261
Durr, F, 252
Dussault, PE, 341
Duthie, IF, 134
Dyer, A, 358
Dyerberg, J, SA125, 133, 134, 142, CL143, 195, 207, 315, R315

Eales, L, 133, 148
Eaton, CA, 134
Eaton, SB, 43
Ebied, F, 49
Eckhart, CD, 182
Edelstein, S, 300
Efron, ML, 333
Egle, PM, 348
Eguren, L, 233
Ehrlich, M, 333
Ehrström, MC, 133
Ehsani, AA, 59
Eijkman, C, 227
Eil, C, 300
Eisenberg, JB, 262
Eisman, JA, 7, 300
El-Akkad, S, 261
Elbein, AD, 323
Elbinger, RL, 333
El-Gholmy, A, 261

El Harith, EA, 79
El-Hassan, A, 262
Elias, PM, 154, 198, 300
Elias, PW, 300
Eliasson, A-C, 54
Ellersieck, MR, 186
Elliott, A, 49
Ellis, CE, 163
Ellis, FR, 294, 315
El-Maraghi, S, 262
Elorata, TO, 341
Elvehjem, CA, 227
Emmerson, R, 133
Eng, VW, 265
Engen, T, 101
Englyst, H, 54
Englyst, HN, 54, MSA50
Enright, WJ, 156
Enwonwu, CO, 163, 261
Epparal, PJ, 155
Eppard, PJ, 155
Epstein, AN, 229
Epstein, M, 326
Erdman, JW, Jr, 23, 198
Erickson, KL, 283
Eriksson, C, MSD80
Eriksson, U, 218, 314
Ermans, AM, 263
Ermolin, GA, 151
Ernould, C, 262
Eschwege, E, 73
Escobar del Rey, F, 263
Eskelin, L-E, 113
Eskild, W, 218
Esparza, M, 7
Esparza, MS, 7, 8
Essock-Vitale, SM, 172
Estabrook, RW, 379
Estrera, N, 106
Esvelt, RP, 300
Etherton, TD, 156
Evans, DR, 311
Evans, GW, 182
Evans, SV, 323
Evans, W, 59
Evans, WJ, 363
Exner, JH, 198

Fabris, N, 262
Fahey, GC, 252
Failla, ML, 183
Fantino, M, 101
Fantino, MJ, 101
Faraji, B, 360
Farber, E, 280
Farber, JL, 118
Fariss, MW, 118
Farnsworth, CC, 293
Farquhar, JW, 64, 133, 142, 148, 201
Farrell, PM, 375
Fauci, AS, 262
Feather, T, 358
Feinleib, M, 219
Feisthauer, J, 101
Felber, JP, 59
Felding, P, 314
Feldman, D, 300
Felig, P, 59
Feller, FX, 333
Fellows, LE, 323
Fernandez, TL, 106
Fernhoff, PM, 198, 298
Fernstrom, JD, 163
Feron, VJ, 79
Ferraro, C, 8
Ferrendelli, JA, 207
Ferretti, RJ, 186
Ferro-Luzzi, A, MSD80
Ferry, F, 283
Festa, MD, 186
Fielden, H, 48, 49, 73
Fields, M, 186
Fiennes, RNT-W, 294
Figard, PH, 207
Figueroa, M, 261
Filer, LJ, Jr, 79
Filer, LJ, 79
Filteau, SM, LE283, 284
Finch, CA, 358
Finelli, VN, 311
Fink, W, 59
Fischer, JE, 231
Fischer, PWF, 185, 219
Fischer, S, 134, 207
Fisher, DA, 261, 262
Fisher, EC, 362
Fisher, GL, 283
Fisher, MJ, 379
Fisher-Ferraro, C, 7
Fitzgerald, GA, 207
Flatmark, T, 250
Flatt, JP, 59
Fleckstein, A, 134
Fleeman, C, 229
Fleischer, S, 293
Fleischmajer, R, 198, 298
Fleisler, SJ, 293
Fleming, CR, 305
Fleming, PJ, 250
Fleming, TR, 29, 31
Flemming, SE, 54
Flippo, V, 215
Florent, CH, 49
Flotte, TJ, 368
Flourie, B, 49
Flynn, A, 360
Foch, TT, 200, 386
Folkers, K, CL337
Forman, SJ, 79, 104, 169, 267
Fontanares, P, 263
Forbes, RM, 182
Ford, T, 218
Forman, MR, 106
Förster, WF, 316
Fort, P, 163
Forte, T, 326
Fourman, J, 79
Fournier, REK, 188
Fowler, B, 165
Fox, DS, 163
Fox, G, 314
Fox, J, 300
Francis, T, 49
Frank, A, 64
Frankel, T, 300
Frankel, TL, 300
Fraser, D, 8
Fratantoni, JF, 375
Fraumeni, JF, Jr, 265
Frazer, TE, 377
Frazier, JL, 246
Fredrickson, DS, 64, 142, 241
Freeman, FN, 200
Fresard, KM, 54
Friedman, Z, 305
Frisch, RE, 43, 363
Froesch, ER, 163
Frölich, T, 227
Frolich, JC, 195
Frost, P, 296
Frost, PG, 297
Frytak, S, 32
Fuchs, C, 195
Fujida, T, 133
Fujita, T, 134
Fukase, M, 213
Fuki, IV, 151
Fukuda, E, 213
Fukuda, N, 150
Fuller, J, 101
Fuller, JG, 227
Fuller, JH, 73
Fulton, AM, 109
Fulwood, R, 386
Fumagali, R, 139
Furia, TE, 79
Furie, B, 12

Furie, BC, 12
Futterman, S, 294

Gabbay, KH, 43
Gabr, M, 262
Gabriel, E, 167
Gaggino, OP, 7
Gaitan, E, 261, 273
Gaitan, JE, 261, 273
Galdes, A, 311
Gale, TF, 299
Galland, D, 79
Gallego, S, 7
Gallego, SE, 8
Galli, C, 294
Gallin, JI, 262
Gallop, PM, 43
Galloway, JH, 134
Ganguly, J, 133
Ganther, HE, 219, 220
Garby, L, 358
Garces, NE, 7
Garcia, MJ, 73
Gardner, EJ, 265
Gardner, LI, 273
Garlick, PJ, 163
Garn, SM, 200, SA381, 385, 386
Garratty, G, 374
Gaspar, T, 7
Gassull, MA, 49
Gastron, J, 299
Gatsios, D, 263
Gaworski, CL, 283
Gebauer, PW, 7
Geekie, M, 49
Gehlbach, SH, 172
Gempert, E, 238
Georgieff, M, 231
Gerber, LE, 198
Ghafari, H, 49
Ghai, O, 262
Ghaleb, H, 261
Ghaly, IM, 262
Ghione, S, B188
Ghoshal, AK, 280
Gibbs, J, 229
Gibbs, PNB, 311
Gibson, KM, 336
Gibson, RA, 294
Gibson, RS, 219
Giefer, E, 200, 386
Gilgor, RS, 198
Gill, BS, 7
Gilligan, C, 358
Ginsberg, BH, 134
Ginsberg, HN, 298
Giono, P, 261
Giringhelli, W, 8
Giroux, A, 185, 219
Gittleman, IJ, 109
Giugliano, R, 163
Giusto, NM, 294
Giza, T, 329
Glavind, J, 329
Glinoer, D, 261
Glomset, JA, 293
Glueck, CJ, 64
Godard, C, 261
Goddard, MS, 49
Gödicke, W, 134
Goebell, H, 54
Goeddel, DV, 155
Goetz, FC, 73
Goetzl, EJ, 139
Goff, DV, 48, 49, 73
Gofman, JW, 64
Golander, A, 300
Goldblatt, PB, 385
Golden, BE, 163
Golden, MH, 262
Golden, MHN, 163, 175
Golden, NL, 360
Goldstein, JL, 64, 241
Goldstein, M, 250
Goldszer, RC, 43
Gómez, F, 261
Gonen, B, 73
Gonzales, M, 261
Goodhart, RS, 368
Goodman, DS, 298, 314
Goodnight, SH, Jr, 134, 293
Goodnight, SH, 207
Goor, RS, 133
Gopalan, C, 27
Gordon, T, 73
Gore, IY, 336
Gore, MG, 311
Gortmaker, SL, 9
Gosnell, BA, 163
Goswami, A, 341
Goto, Y, 133
Gottenborg, S, 331
Gotz-Welbergen, AV, 363
Gould, JM, 252
Gounelle, JC, 7
Gowan, J, 360
Goyer, RA, 348
Grace, CI, 182
Grad, G, 163
Graham, GG, 163
Graham, MA, 106
Grambsch, PV, 358
Granados, H, 329
Grande, F, 133
Grantham-McGregor, S, 163, 175
Grauer, K, 238, 241
Grave, GD, 262
Gravina, E, 233
Gravina-Sanvitale, G, 233
Gray, GM, 154
Gray, TK, 300
Gray-Donald, K, 172
Greaves, M, 134
Greaves, MW, 139
Green, A, 133, 195, 207
Green, JB, 314
Green, MH, 218, 314
Greenfield, M, 73
Greengard, O, 180
Greenstein, JP, 166
Greer, JR, 109
Greger, JL, 185
Gregerman, RI, 262
Greppin, H, 7
Griedman, M, 348
Griffith, OW, 278
Griffiths, C, 49
Griffiths, M, 267
Grigoleit, HG, 7, 8
Grimble, GK, 297
Grindem, C, 323
Grinker, JA, 101
Grinsberg, HN, 198
Grix, AW, 198, 298
Groen, AK, 379
Gross, EG, 198
Gross, RC, 64
Gross, RL, 262
Gross, SJ, 167
Groth, O, 231
Grunberg, NE, 331
Grundy, SM, 64, 195
Gryglewski, R, 195
Gudbjarnason, S, 134
Guengerich, FP, 322, 323
Guggenheim, MA, 267, 269
Gunary, R, 101
Gunnes, S, 134
Gunning, DB, 124
Gupta, RM, 231
Gurr, MI, 182
Gustafson, A, 134
Guthrie, GM, 106
Guthrie, HA, 106
Gutnisky, A, 358
Guy-Grand, B, 101
Guyot, D, 69
Gygax, PH, 59

Gyorgy, L, 22

Haas, R, 233
Habicht, J-P, 358
Haddad, AL, 54
Haddeman, E, 207
Hadlogten, ME, 333
Haeffner, EW, 195
Hafez, ES, 262
Hagberg, JM, 59
Haggard, ME, 304
Hagler, WM, Jr, 323
Hagler, WM, 323
Hahn, P, 326
Haines, AP, 134
Hakami, N, 238
Hakim, RM, 43
Hale, DM, 331
Hall, BM, 293
Hall, CA, 238
Hall, M, 49
Hallberg, L, MSD83
Hallfrisch, J, 73
Hallgrimsson, J, 134
Ham, RG, 246, 247
Hamawy, KJ, 231
Hamazaki, T, 133, 134
Hamberg, M, 195, CL208
Hambidge, KM, 360
Hambraeus, L, MSD83
Hames, CB, 73
Hamill, PVV, 267, 385
Hamilton, WG, 247
Hammarstom, S, 195
Hammond, CB, 363
Hamstra, AJ, 300
Hänichen, T, 7
Hanin, I, 348
Haning, JA, 341
Hanis, C, 200, 386
Hannifan, N, 7
Hanning, I, 49
Hansen, AE, 304
Hansen, HH, 154
Hansen, HS, 154, 373
Hansen, JDL, 163, 262
Hansen, LA, 329
Hanson, RW, 188
Hanspie, R, 163
Hansson, B-G, 137
Harden, RM, 261
Harding, CR, 154
Harell, A, 300
Harington, CR, CL274
Harkins, M, 156
Harlan, WR, 386
Harland, BF, 235
Harland, PSEG, 273
Harner, RN, 304
Harper, AE, 163
Harper, RW, 134
Harries, JT, 137
Harrill, I, 284
Harris, D, 195
Harris, RC, 163
Harris, RS, 6, 294
Harris, TM, 322, 323
Harris, WS, 64, 133, 134, 142, 207, 293, 294
Harris, WW, 148
Harrison, D, 49
Hart, EB, 227
Hartley, WJ, 323
Hartog, M, 49
Hartrodt, W, 134
Hartz, A, 200, 386
Harvey, RF, 12
Harvie, FF, 15
Hashim, SA, 101
Hassam, AG, 293
Hassell, JR, 346
Hatch, FT, 64
Hatch, TF, 294, 304
Hathcock, JN, 118
Hattori, Y, 133
Haurani, FI, 238
Haussler, DH, 300
Haussler, MR, 6, 7, 300, 376
Hautvast, JGAJ, 188, 201
Hawkins, R, 368, NC370
Haworth, JC, 238, 241
Hawthorne, J, 326
Hawthorne, V, 386
Hay, CRM, 134
Hayashi, H, 213
Hayes, KC, 293
Hayflick, J, 155
Hayflick, S, 250
Hazzard, WR, 64, 73
Head, HH, 156
Heading, RC, 49
Heath, H, III, 300
Heatley, RV, 231
Heaton, FW, 182
Heaton, KW, 49, 54
Hebbel, RP, 375
Hebbelink, H, 163
Heim, J, 326
Heim, T, 293
Heimberg, M, 150, 195
Heimroth, I, 316
Heine, H, 134
Heinrich, R, 379
Helgerud, P, 217
Heller, A, 64
Heller, B, 198, 298
Heller, J, 218, 314
Helms, P, 54
Helweg-Larsen, K, 133
Helwig, HL, 360
Hench, I, 133
Henderson-Smith, H, 227
Hendricks, JD, 304, CL306
Hendricks, S, 262, 273
Hendricksen, A, 294
Hendrickson, T, 7
Henion, JD, 6
Henry, HL, 7
Herbert, V, 358
Hermann, H, 363
Hermus, RJJ, 148, 201
Herrath, Dv, 7, 8
Herrera, MG, 43
Hers, HG, 323
Hersey, P, 300
Hersio, K, 49
Herzog, DB, 363
Hesch, RD, 263
Hess, WC, 329
Hesser, MF, 101
Hetherington, M, 101
Hetzel, BS, 201, 263
Heubi, JE, 269
Hewitt, D, 358
Heymsfield, SB, 297
Heynecker, HL, 155
Hibbs, JW, 7
Hickie, JB, 148
Hidiroglou, M, 220
Hiestand, WA, 331
Higgins, ITT, 385, 386
Higgins, J, 379
Higgs, DA, 120
Hilditch, TP, 133
Hill, DE, 163
Hill, GL, 229
Hill, MJ, 54, 265
Hill, RR, 163
Hillers, JK, 343
Himsworth, HP, 73
Hincenbergs, I, 294
Hind, H, 328
Hino, M, 323
Hirai, A, 133, 134
Hirsch, J, 64, 101, 133, 142, 148, 201
Hirschhorn, N, 102
Hirst, M, 300

Hitzig, WH, 238
Hjórn, N, 133
Hjortland, MC, 73
Ho, M, 300
Hoak, JC, 207
Hoar, RM, 198, 298
Hoch, FL, 360
Hoch, W, 195
Hockaday, D, 89
Hockaday, TDR, 49, MSD82
Hocking, JD, 323
Hod, Y, 188
Hodge, HC, 235
Hodges, RE, 15, 123, 305
Hodginson, A, 79
Hoffman, CH, CL337
Hoffman, DR, 341
Hoffman, G, 336
Hofman, KJ, 262, 273
Hofstetter, A, 331
Hohenschutz, LD, 322
Holbrook, JT, 186
Holden, JM, 218, 219
Holgate, AM, 49
Holick, M, 300
Holick, MF, 6, 7
Holick, SA, 7, 300
Holker, JR, 220
Hollander, D, 12
Hollenbeck, C, 73
Hollenbeck, CB, 73
Hollis, BW, 300
Holloszy, JO, 59
Holm, G, 49
Holm, J, 54
Holman, RT, 133, 194, 215, 293 294, 304, 315, 341, 373
Holmberg, L, 294
Hölst, A, 227
Holt, S, 49
Holter, AR, 231
Holtrop, ME, 113
Holzer, P, 22
Holzinger, KJ, 200
Holzmuller, W, 231
Homma, Y, 133
Hood, J, 15, 123
Hoogwerf, BJ, 73
Hooper, S, 49
Hoopes, D, 59
Hoover, KL, 280
Hoover, RL, 139
Hopkins, FG, 227
Hopkins, PJ, 385
Hori, H, 323
Horie, R, 213
Horiuchi, A, 261
Horiuchi, H, 7
Hornshaw, J, 231
Hornstra, G, 133, 207
Horrobin, DF, 341
Horst, RL, 7, 300
Horwitz, I, 261, 273
Hosack, A, 238, 241
Hosoi, J, 300
Hosomi, J, 300
Hostetter, TH, 43
Hough, S, 377
Houston, H, 54
Houtsmuller, UMT, 154
Howard, GA, 300
Howard, JE, 300
Höygaard, A, 133
Hrdina, PD, 348
Hrubek, Z, 386
Hsi, BP, 133
Hsu, JM, 284
Hubbard, SA, 118
Hubbard, SC, 323, 346
Huether, G, 333
Huffman, T, 185
Hughes, MR, 6, 7
Hui, DY, 218
Hulley, SB, 64, 73
Hultman, E, 59
Hume, EM, 124, 227
Humphreys, J, 247
Hungate, RE, 54
Hunsaker, HA, 219
Hunt, IF, 360
Hurley, BF, 59
Hurley, LS, 183, 360
Hurwitz, S, 368
Hussaini, G, 123
Hutchings, DE, 299
Hutchinson, JH, 109
Hutt, MS, 261
Huxley, TH, 227
Huxtable, CR, 322, 323

Iannaccone, ST, 269
Ibrahim, II, 262
Ifrim, I, 24
Ihse, I, 49
Illingworth, DR, 64, 133, 134, 142, 148, 207, 293
Imanaka, H, 323
Immel, HR, 79
Ingbar, SH, 261, 262
Ingebretsen, OC, 250
Ingenbleek, Y, SA253, 261, 262, 263, 273
Ingerman, CM, 195
Inglis, JC, 368
Inkeles, SB, 142
Innerarity, T, 326
Innerarity, TL, 218
Inouye, S, 323
Insel, J, 365
Insull, W, 133, 142
Insull, W, Jr, 64, 133, 148
Ip, C, 195
Ip, M, 195
Iritani, N, 213, 215
Irnell, L, 358
Isaac, GJ, 261
Isaksson, B, MSD88
Isaksson, G, 49
Ishikawa, Y, 213
Ishio, S, 148
Isley, WL, 163
Isoda, K, 133
Isselbacher, K, 142
Isseroff, RR, 373
Ivanov, VO, 151
Ivatt, RJ, 323, 346
Iwai, K, 22

Jabour, J, 134
Jackson, AA, 163, 175, 262, 273, 294
Jackson, MB, 294
Jackson, SH, 25
Jackson, V, 269
Jackson, WPU, 49
Jacob, CM, 180
Jacob, P, 331
Jacob, RA, 330
Jacobs, DR, Jr, 358
Jacobs, DR, 331
Jacobson, M, 377
Jacot, E, 59
Jacques, PF, 12
Jaggart, DO, 109
Jain, SK, 375
Jakobsson, I, 137
James, LF, 323
James, P, MSD80, 89
James, R, 156
James, WPT, 54, 331
Jamra, M, 358
Jancso, G, 22
Janes, C, 267
Jansons, RA, 163
Jansson, L, 294
Janthasoot, W, 22
Janzen, GJ, 79
Jarjis, H, 49

Jarrett, RJ, 73
Jarstand, C, 231
Jarvis, BC, 7
Jaya Rao, KS, 27, 261
Jenkins, AL, MSA44, 48, 49, 73
Jenkins, DJA, MSA44, 48, 49, 54, 73, MSD82
Jenkins, DL, 278
Jenkins, HJ, 137
Jenkins, KJ, 220
Jensen, B, 154, 373
Jensen, RA, 133
Jensen, RL, 79
Jepson, EM, 49
Jéquier, E, MSD55, 59, MSD85, 331
Jewess, PJ, 322
Jhurani P, 155
Jian, R, 229
Jivraj, T, 54
Joffe, SN, 297
Johnson, CJ, 267
Johnson, IT, 49
Johnson, MM, 247
Johnson, NE, 358
Johnson, RA, 154
Johnson, RG, 250
Johnson, SB, 294, 304
Johnston, FE, 163, 385, 386
Johnston, MC, 299
Johnston, PV, 293, LE315
Johnston, RR, 163
Johnston, WM, 15
Jokob, M, 238
Jolly, RD, 323
Jones, BJM, 296
Jones, KL, 360
Jones, RT, 331
Jones, WM, 134
Jordan, PM, 311
Jørgensen, KA, 134
Jorgensen, BA, 12
Jorgensen, H, 198
Jorgensen, NA, 6
Joseph, S, 172
Josse, R, 49
Josse, RG, 49, 73
Jsang, RC, 109
Julian, TB, 231
Junrong, J, 235
Jurenitsch, J, 22
Jurgen, R, 6
Jusko, WJ, 137

Kacser, H, 379
Kadis, S, 322
Kadowaki, M, 213
Kadowaki, S, 376, 377
Kaduce, TL, 207
Kagan, A, 73
Kagawa, Y, 133
Kahn, AM, 360
Kaine, JL, 373
Kajander, EO, 341
Kajimoto, M, 27
Kalk, WJ, 262, 273
Kalkhoff, RK, 376
Kalmusky, J, 49, 73
Kamen, JM, 101
Kameneva, AM, 151
Kane, AB, 118
Kanecky, E, 198
Kannan, W, 49
Kanell, WB, 73
Kantner, RM, 22
Karaffa, MA, 311
Karasek, M, 300
Karbuczky, S, 120
Kare, MR, 101
Karlsson, I, 294
Karlsson, J, 59
Karmali, RA, 195
Kasa, M, 269
Kasper, J, 54
Kassim, N, 358
Katan, MB, 201
Kato, M, 314
Katyal, SL, 280
Katz, D, 101
Katz, J, 123
Katz, RA, 198
Kawanda, T, 22
Kay, C, 261
Kay, MMB, 374
Keating, FR, Jr, 261
Keen, CL, 183, 185
Keen, H, 73
Keller, HW, 231
Kelly, RC, 154
Kelly, RE, 311
Kelts, DG, 165
Kemp, HG, 43
Kendall, FE, 64
Kennedy, CV, 358
Kennedy, T, 195
Kensinger, RS, 156
Kenyeres, J, 22
Keohane, PP, 297
Keppen, LD, 360
Kerley, MS, 252
Kerr, MM, 109
Kerr, RB, 73
Ketola, HG, 120
Keusch, GT, 262
Kevers, C, 7
Keys, A, 132, 133
Khagi, JHR, 311
Khalifa, AS, 261
Kida, K, 25
Kielanowski, J, 163
Kilburn, KH, 25
Killie, J-E, 134
Kim, H, 376
Kim, YG, 373
Kimball, OP, 263
Kimberg, D, 7
Kimberg, DV, 6
Kindberg, GM, 218, 314
King, CG, 15
King, MM, 195
Kingsbury, KJ, 133
Kingston, B, 101
Kirai, A, 134
Kirby, ML, 22, 299
Kirchgessner, M, 182
Kirkpatrick, DC, 235
Kirksey, A, 341
Kirschman, JC, 341
Kiselev, G, 213
Kissileff, HR, 229
Kitching, J, 219
Klauder, DS, 311
Kleijer, FJM, 165
Klenk, E, 133
Klevay, LM, 218, 219
Klickstein, LB, 139
Kloppenborg, PWC, 165
Klurfeld, DM, 24
Knapp, HR, 207
Kneebone, GM, 294
Knittle, JL, 64
Knowles, RG, 379
Koaze, Y, 323
Kobayashi, S, 134
Kocsis, JJ, 195
Koga, M, 213
Kohler, H, 7
Kohsaka, M, 323
Kolata, G, 363
Kolder, H, 123
Koldovsky, O, 326
Kollmorgen, GM, 195
Kolterman, OG, 48, 365
Kondo, T, 248
Kongsamut, S, 22
Konner, M, 43
Konno, T, 269
Kopp, B, 22

Korhonen, T, 49
Kornfeld, R, 346
Kornfeld, S, 346
Kosanke, SD, 195
Kosykh, VA, 151
Kour, K. 282
Koutras, DA, 261, 263
Kouznetzova, B, 195
Kovacs, B, 120
Kraemer, F, 73
Kraemer, L, 101
Kraft, D, 7
Krag, SS, 346
Kramer, L, 328
Kramer, MS, 172
Krasinski, SD, 12
Kream, BE, 300
Krebs, HA, 15, 124
Krieger, FW, 172
Krigman, MR, 348
Krinsky, S, 229
Krishna, TP, 163
Krishnamurthy, K, 180
Krishnaswamy, K, 27
Kritchevsky, D, 24, 139, 154
Kromann, N, 133, 195
Kromhout, D, 133
Kromman, N, 207
Krook, L, 7
Krook, LP, 7
Krotkiewski, M, 64, 229
Kruger, JB, 282
Kruger, SF, 12
Kruse, HD, 227
Kruse, I, 329
Krzeminska, K, 49
Kuhn, C, III, 25
Kuisk, I, 73
Kulin, HE, 163
Kumagai, A, 133, 134
Kumar, R, 300
Kumar, S, 22
Kupfer, C, 227
Kurinij, N, 106
Kuroki, T, 300
Kuroume, T, 136
Kvist, S, 218
Kyriakopoulos V, 263

Labardini, J, 358
Labarrare, C, 7
L'Abbe, M, 185
L'Abbe, MR, 185, 219
Ladizesky, M, 7, 8
Laframboise, R, 241
Lahnborg, G, 231
Laine, DC, 73
Laker, MF, 198
Lambert, WB, 134
Lamers, WH, 188
Lammer, EJ, 198, 298, 299
Lamote, R, 326
Lampen, JO, 323
Lampl, M, 163
Lamptey, MS, 294
Landesman-Dwyer, S, 360
Landis, DJ, 294
Landman, J, 175
Landowne, M, 261
Lands, W, 326
Lands, WEM, 133, 134, SA189, 194, 195, 304
Lane, D, 326
Lange, LG, 344
Lanxin, L, 235
Lanza, GM, 155
Laplace, PS, 227
Laposata, EA, 344
Largent, EJ, 235
Larsen, PR, 262
Larsson, J, 231
Larsson, K, 54
Laskarzewski, P, 109
Latham, MC, 163
Lauber, E, 250
Laurent, GJ, 163
LaVelle, M, 385, 386
Lavernia, F, 261
Lavoisier, AL, 227
Lawrie, JA, 49
Lawson, DEM, 6
Layrisse, M, 358
Lazarus, GS, 198
Le, N-A, 198, 298
Le, T, 24
Leader, VR, 227
Lealman, GJ, 109
Leat, WMF, 195, 294
Leaverton, PE, 386
Leblanc, C, 386
Le Boulch, N, 7
le Coultre, R, 336
Ledingham, JGG, 101
Leduc, DG, 172
Lee, DJ, 294
Lee, HA, 175
Lee, R, 49, 73
Lee, RV, 368
Lee, S-D, 12
Lee, SS, 22
Lee, TE, 139
Lee, TH, 134
Leeds, AR, 49
Leegwater, DC, 77, 79
Lees, R, 296
Lees, RS, 64, 142
Lefancier, P, 262
Lefkowith, JB, 215
Leggot, PJ, 330
Lemarchand-Béraud, T, 261
Lembeck, F, 22
Lemeshow, S, 385
Lemonnier, F, 269
Lennarz, WJ, 346
Leonard, DL, 348
Leonard, MT, 169
Leonard, RF, 304
Leonard, WR, 386
Leong, S, 293, 326
Lepage, M, 341
Lerner, RL, 64, 73
Leskiw, MJ, 304
Lester, GE, 300
LeTellier, PE, 195
Levack, VM, 7
Levene, CI, 25
Levine, AS, 54, 163
Levine, RA, 49
Levitt, MD, 54
Levitt, NS, 49
Levy, HC, 113
Levy, RI, 64, 133, 142, 326
Levy, RS, 262
Levy, Y, 64
Lewis, D, 163
Lewis, KC, 123, 218
Lewis, MH, 231
Lewis, RA, 134, 139
Leworthy, DP, 322
Leybin, L, 235
Lieber, C, 368
Lieberman, UA, 300
Liebman, HA, 12
Lien, NM, 163
Lifshitz, F, 163
Lilavivathana, U, 59
Lilly, J, 269
Lim, YP, 280
Lin, D, 195
Lin, DS, 134, 293, 294, 305
Linares, J, 358
Lind, J, 15
Lindberg, T, 137
Lindsey, S, 294
Linnell, SL, 363
Linneweh, F, 333
Lipkin, M, 265
Lisker, R, 106

Lissner, D, 300
Listing, J, 134
Little, JA, 49, 358
Litwack, G, 180, 248
Liu, GC, 73
Liu, K, 358
Livadas, DP, 263
Ljones, T, 250
Lloyd, JK, 267
Lo, GS, 185
Lo, K-J, 12
Locatelli, V, 22
Locatto, ME, 7
Lockwood, R, 358
Loerch, JD, 123, 217
Logan, RW, 109
Lombardi, B, 280
Long, D, 79
Long, PD, 133
Lonnerdal, B, 183, 185
Loo, G, 341
Loose, DS, 188
Loosli, JK, 166
Lopez-Habib, G, 106
Loras, B, 252
Lorenc, RS, 300
Loria, A, 358
Lortei, L, 43
Lott, IT, 198, 298
Loughlin, HH, 172
Lousley, S, 49, 73
Lovenburg, W, 133
Lowry, LK, 123
Lubin, B, 374
Lubin, R, 238
Lucchesi, BR, 133, 195
Luck, S, 305
Luck, SJ, 294
Lue-Shing, H, 238, 241
Luecke, RW, 120
Lugo, TG, 188
Lundberg, WO, 148
Lundquist, I, 49, 54
Lupien, PJ, 341
Lurie, MB, 262
Lusk, G, 227
Luypaert, B, 262
Lyman, R, 294
Lynch, H, 265
Lynch, HT, 263
Lynch, SR, 23
Lynd, FT, 7
Lyons, F, 198

MacGillivray, I, 360
Machle, W, 235
Mack, RW, 386
Mackay, HMM, 227
MacLaughlin, J, 7
MacLaughlin, JA, 300
Maclean, WC, 169
MacLean, WC, Jr, 102
Madison, D, 133, 195
Magboul, DI, 27
Maggi, CA, 22
Maheshwari, VR, 235
Mahley, R, 326
Mahley, RW, 218
Mair, RG, 101
Maisterrena, JA, 261
Maiz, A, 20
Majer, JR, 154
Makino, S, 213
Malamos, B, 261, 263
Malave, I, 283
Malcolm, LA, 163
Malcolm, S, 267
Malec, DJ, 104
Maller, O, 101
Mallet, AI, 139
Mallia, AK, 314
Mallon, J, 377
Mally, MI, 311
Malone-McNeal, M, 151
Malvaux, P, 261, 262, 273
Man, EB, 64
Man, Z, 8
Manku, MS, 341
Mann, GV, 294
Mann, JI, 49, 73
Mann, MD, 163, 262
Manolagas, SC, 300
Manson, JA, 27
Mantegazza, P, 22
Manuel, R, 198
Marcelo, CL, 373
March, SC, 15
Marcus, R, 49
Mares, P, 134
Margareidge, K, 79
Margetts, BM, 201
Margossian, S, 261
Mariash, CN, 262
Marine, D, 263
Marino, PL, 304
Marion, DW, 341
Mariotti, S, 262
Marketos, SG, 261
Markowitz, LA, 183
Marks-Katz, M, 163
Marlin, DW, 101, 328
Marnay-Gulat, C, 7
Maro, B, 283
Marsden, JR, 198
Marsh, J, 195
Marshall, LA, 293
Martier, SS, 360
Martin, GR, 25
Martin, JC, 360
Martin, JL, 219
Martin, WH, 59
Martinez, DT, 373
Martinez, GA, 104, 106, 172
Martini, A, 22
Marx, SJ, 300
Mason, E, 386
Mason, PS, 323
Mason, RS, 300
Masoni, AM, 7
Maspes, V, 358
Masson, M, 294
Masters, R, 368
Masushige, S, 346
Mather, P, 101
Matiaszuk, NV, 238, 241
Matoush, LO, 261
Matsuki, S, 385
Matsumura, T, 136
Matthews, DC, 231
Matthews, KS, 247
Mattson, FH, 64, 195
Maude, MB, 294
Mauron, J, 263
Mautalen, C, 7, 8
Mautalen, CA, 6, 7
Mawer, EB, 7
Maxson, WS, 363
Mayer-Gross, W, 101
Mayers, LD, 358
Maynard, AT, 304
Mayoral, LG, 261, 273
Mazess, RB, 363
Mazzaferri, EL, 73
McAfee, J, 233
McArthur, JW, 363
McBride, JR, 120
McCain, TA, 6, 7
McCance, RA, 109, 227, 261
McClain, P, 261
McClearn, GE, 200
McClure, F, 235
McCollum, EV, 227, CL242, 358
McConathy, J, 326
McConathy, W, 326
McCormick, DB, 300
McCullough, JL, 154
McCutchen, TM, 172
McCutcheon, SN, 155

McDonald, JT, 235
McDonald, TJ, 49
McGarrity, WC, 163
McGee, BR, 377
McGilliard, LD, 252
McGuire, V, 49, 358
McHugh, PR, 229
McKeehan, WJ, 246, 247
McKeever, J, 358
McKeever, P, 358
McKenzie, AD, 235
McKenzie, WN, 25
McKereghan, MR, 250
McMeniman, NP, 7
McMillan, RB, 368
McMurchie, EJ, 201
McMurry, MP, 64, 133, 142
McNamara, DJ, 64
McNamara, JP, 156, 343
McNamara, PM, 73
McNeil, NI, 54
Mead, JF, 154, 315
Meade, TW, 265
Medwadowski, B, 294
Megson, A, 101
Meisner, HM, 188
Meister, A, 311
Meites, J, 261
Meli, A, 22
Melichar, V, 326
Mellanby, E, 227
Melton, LJ, 363
Mencia-Huerta, J-M, 134
Meng, HC, 305
Menton, DN, 154
Mentzer, W, 374
Meredith, CN, 363
Meredith, SC, 12
Merkel, RA, 252
Mertens, S, 262
Mertz, JR, 314
Mertz, W, 186, 218, 219
Mess, B, 262
Mest, HJ, 316
Metiaszuk, NV, 241
Metz, GL, 49
Meyer, KK, 163
Meyers, BA, 25
Michaelis, J, 73
Miettinen, TA, 49
Mikol, YB, 280
Miljanich, P, 294
Milla, PH, 137
Millard, AV, 106
Miller, C, 269
Miller, EJ, 25
Miller, JM, 59
Miller, MS, 22
Miller, RC, 304
Miller, SI, 360
Miller, T, 64, 133, 142, 148
Miller, WJ, 375
Miller, Z, 180
Millichamp, N, 294
Millikan, WJ, 163
Mills, CF, B348
Millward, DJ, SA157, 163, 273
Milner, J, 358
Milner, JA, 219
Minagawa, A, 59
Minenko, A, 213
Minkes, MS, 207
Miravet, L, 7
Misra, UK, 198
Missell, L, 133
Mitchell, M, 323
Mitchell, ME, 233
Mocchegiani, E, 262
Mochizuki, H, 296, 297
Moehl, A, 293
Moertel, CG, 28, 29, SR30, 31, 32
Moghissi, K, 231
Mogren, H, MSA38, MSD88
Mohrhauer, H, 294
Mok, KT, 20
Moldawer, LL, 20, 231
Molnar, J, 22
Molyneux, RJ, 323
Moncada, S, 134, 139, 195
Mönckeberg, F, 261, 273
Mondgil, VK, 248
Mongeau, J-G, 43
Mongeau, JG, 200, 386
Monsereenusorn, Y, 22
Monsour, PA, 282
Montgomery, R, 261
Moodie, AD, 163, 262
Moore, JF, 348
Moore, RE, 262, 273
Moran, TH, 229
More, ME, 385
Morgan, AP, 43
Morgan, DM, 133
Morgan, IG, 293
Morgareidge, K, 79
Morita, I, 133, 134
Morita, M, 219
Moritz, V, 213
Moriuchi, A, 213
Moriya, S, 261
Morley, JE, 163
Morreale de Escobar, G, 263
Morris, KML, 7, 8,
Morris, SM, 188
Morse, DE, 331
Morson, BC, 265
Morson-Pasut, LA, 104
Mortensen, JZ, 134
Morton, JF, 7
Morton, JJ, 101
Moseley, WM, 156
Moses, RL, 151
Mosier, HD, Jr, 163
Moskowitz, HR, 101
Motulsky, AG, 64
Moussavian, SN, 294
Mower, GD, 101
Mueller, WH, 386
Mukhergee, KD, 133
Mulinos, MG, 262
Mullen, JL, 231
Muller, DPR, 267
Muller, JM, 231
Muller, MJ, 188
Mundayu, S, 172
Muñiz, CG, 261
Muralidhara, KS, 12
Murota, S, 133, 134
Murphy, NJ, 360
Murphy, RC, 195
Murray, E, 300
Murray, JC, 25, 198
Murray, MJ, 283
Murray, PA, 330
Murton, CR, 49
Mutie, D, 163

Nabama, B, 262
Nachbar, MS, 49
Nagata, K, 248
Naidu, AN, 163
Najean, Y, 229
Najjar, MF, 386
Najjar, SS, 263
Nakagawa, M, 269
Nakajawa, I, 27
Nakamura, H, 263
Nakayama, O, 323
Nakazawa, R, 133
Napoli, JL, 7
Nara, Y, 213
Narisawa, K, 241
Narita, R, 215
Naughton, JM, 315
Neale, RJ, 163
Needleman, P, 207, 215
Neer, RM, 363

Neiman, PE, 238
Neldner, KH, 360
Nelson, AM, 133
Nelson, C, 326
Nelson, ME, 362
Nelson, NA, 154
Nelson, RA, 261
Nemanic, MK, 300
Nestel, P, 49
Nestel, PJ, 49, 134, 142
Neuhoff, V, 333
Neumann, E, 134
Neuringer, M, 195, SA285, 293, 294, 305
Neuwelt, E, 195
Neville, HE, 267
Newberne, PM, 79, 262, 280
Newbrun, E, 235, 282
Newman, HC, 48, 73
Newman, HH, 200
Newmark, H, 265
Newmark, HL, 265
Ney, D, 165
Nguyen, TT, 154
Nichols, AV, 64
Nicolson, G, 326
Nielsen, A, 207
Nielsen, AB, 133, 142, CL143
Nielsen, AH, 134
Nigra, TP, 198
Niida, T, 323
Niklas, L, 49
Nilson, K, 363
Nilsson, A, 314
Nilsson, SF, 218, 314
Nimni, ME, 25
Nineham, R, 49
Nishigori, M, 248
Nishikawa, T, 133
Niwa, T, 323
Nöel, P, 262
Noguchi, A, 109
Nolan, J, 7
Nomura, Y, 213
Nordberg, M, 311
Nordin, RW, 7
Nordöy, A, 133, 134, 316
Norman, AW, 6, 7, 8, 300, 376, 377
Norseth, J, 134
Norton, KC, 207
Norum, KR, 134, 217, 218, 314
Nouvelot, A, 294
Novak, M, 326
Nugteren, DH, 154, 207
Nussbaum, SR, 363
Nyhan, WL, 165, 166, 233, 333, 336

Oates, JA, 195, 305
O'Brien, JRP, 15
O'Brien, JS, 293
Ockerman, PA, 323
O'Connell, MJ, 29, 31, 32
O'Dea, K, 49, 54
Odedra, B, 163
O'Dell, BL, 25, 183, 323
O'Donnell, JM, 6, CL16
Oehme, P, 213
Oelz, O, 195
Oesterhelt, W, 7
Oette, K, 64
O'Fallon, JR, 32
Offerman, GG, 7
Offord, KP, 363
Ogino, C, 120
Ogun, M, 136
Ohgiuri, S, 27
Ohi, R, 269
Ohtaki, S, 261
Okada, KA, 6
Okada, M, 248
Okamoto, K, 213
Oklund, S, 262
Okuma, H, 213
Olefsky, J, 48, 365
Olefsky, JM, 48, 73, 365
Oliver, E, 231
Olmsted, WH, 54
Olsen, TG, 198
Olson, JA, LE123, 124
Olson, RE, 12, MSD80, 89, R123, R252, 326
Olson, SL, 43
Ong, DE, 314
Ontko, JA, 150
Ophaug, RH, 235
Oppenheim, JD, 49
Oppenheimer, JH, 262
Orci, L, 6
Orent, ER, 227
Orf, JW, 300
Orheim, RM, 219
Orlando, J, 262
Oser, BL, 79
Oser, M, 79
Oskarsdottir, G, 134
Osmundsen, H, 134
Ostberg, L, 218, 314
Ostrowska, S, 54
Otto, H, 49
Oudart, JL, 261
Ourisson, G, 7
Owen, OE, 43
Oyster, N, 363

Pacini, F, 262, 263
Pain, RW, 273
Paintal, AS, 229
Painter, EP, 219
Palmer, RH, 265
Pan, YT, 323
Pancet, I, 180
Panda, NC, 262
Pandya, M, 198
Panerai, AE, 22
Paoletti, R, 139, 195, 294
Papoz, L, 73
Park, EA, 227
Parkin, JM, 273
Parks, JK, 233
Parrish, JA, 300
Parsons, V, 363
Pascal, G, 294
Pascoe, GA, 118
Passmore, R, 134, 227
Patching, SC, 231
Paterniti, J, 298
Paterniti, JR, 198
Patrick, J, 175
Patsch, W, 73, 326
Patten, R, 49
Paul, O, 133
Pauling, L, 29, SR28, SR32
Pawson, IG, 265
Payne Robinson, HM, 163
Payne, PR, 163
Peck, GL, 198
Pecking, A, 229
Peifer, JJ, 133, 148
Pelletier, DL, 267
Penel, C, 7
Pennartz, M, 49
Pennell, JP, 109
Perheentupa, J, 113, 165, 169
Peryam, DR, 101
Petering, HG, 311
Peterkofsky, B, 369
Peterlik, M, 6, 7
Peters, JC, 163
Petersdorf, RG, 142
Peterson, JM, 133
Peterson, MC, 142
Peterson, ML, 64, 148, 201
Peterson, PA, 218, 314
Petz, LD, 374
Pezalla, PD, 22
Phillips, JH, 250

Phillips, LS, 163
Phillips, PA, 101
Phillips, PJ, 273
Phillips, SF, 54
Phillipson, BE, 64, 133, 142, 148, 207
Pichlmaier, H, 231
Piciotti, M, 294
Picou, D, 163, 262
Pieters, JJL, 79
Pilgrim, FJ, 101
Pilkington, JJ, 385, 386
Pimstone, B, 273
Pimstone, BL, 262
Pinchera, A, 262
Pincott, JR, 137
Pincus, JB, 109
Piñiero, C, 262
Pinkerton, F, 247
Pinnell, SR, 25
Pi-Sunyer, FX, 229
Pitt, B, 133, 195
Pittet, P, 59
Pitz, W, 227
Plakké, T, 201
Plank, P, 7
Platt, BS, 261
Pleau, JM, 262
Pluss, HJ, 238
Pochi, PE, 198
Pogson, CI, 27, 379
Poirier, KA, 219
Poirier, LA, 280
Poliak, SC, 198, 298
Pollard, D, 294
Pollard, JC, 172
Pomare, EW, 54
Pomerantz, L, 262
Pond, WG, 163, 252
Popjak, G, 336
Popp-Snijders, C, 134
Porikos, KP, 101
Porte, D, Jr, 64, 73
Portman, OW, 294
Posen, S, 300
Poswillo, D, 298
Potter, JD, 201
Pottier, A, 238, 241
Potts, JT, 300
Powell, AS, 186
Prader, A, 163
Prager, R, 365
Prather, ES, 73
Prema, K, 180
Preobrazhensky, SN, 151
Prescott, LF, 49
Preston, FE, 134
Preston, RL, 163
Prewitt, TE, 163
Price, J, 185
Prickett, JD, 139
Prieto, E, 261
Princen, LH, 133
Privett, OS, 195
Procsal, DA, 7
Prodanos, C, 165, 233
Prottey, C, 154
Pruvost, M, 101
Pryce, RJ, 322
Pryde, EH, 133
Prydz, K, 218
Prynne, CJ, 54
Puche, RC, 7
Pugliese, MT, 163
Pullen, L, 7
Pullman, TN, 261
Pyorala, K, 73
Pysher, T, 360

Queille, ML, 7

Rabe, E, 101
Racz, P, 120
Radzuik, J, 49
Rae, SA, 139
Raghuramula, N, 261
Raica, N, Jr, 123
Raina, AM, 341
Rajantie, J, 113
Rakes, A, 323
Ralphs, DN, 49
Ram, GC, 198
Ramalingaswami, V, 261
Rambeck, W, 7
Rambeck, WA, 7
Ramos Galván, R, 261
Ramsey, HJ, 331
Ramwell, PW, 195
Randall, OS, 133, 195
Rao, AV, 49
Rao, BSN, 163
Rao, RR, 231
Raoul, Y, 7
Raphael, D, 106
Rapini, RP, 198
Rapola, J, 113
Rapoport, TA, 379
Rask, L, 218, 314
Rasmussen, M, 217, 314
Rastogi, GK, 262
Ravalses, J, 139
Ravussin, E, 59
Ray, AA, 314
Rayssiguier, Y, 195
Raz, A, 207
Read, NW, 49, 229
Reardon, MF, 134, 142
Reaven, G, 48
Reaven, GM, 48, 64, MSA65, 73, MSD86
Reaves, JD, 358
Rechsigl, M, Jr, 166
Reck, SJ, 218, 219
Reddy, BS, 265
Redeker, AG, 360
Redfern, JS, 49
Reed, DJ, 118
Reed, DM, 133
Reed, RB, 267, 363
Reeds, PJ, 163
Rees, RGP, 297
Reeve, L, 300
Reeve, LE, 7
Reeves, JJ, 156
Regal, D, 7
Regan, WO, 323
Reichert, R, 49, 73
Reichlin, S, 262
Reid, FA, 300
Reiff, MI, 172
Reilley, IAG, 207
Reinhardt, TA, 300
Reinhart, TA, 7
Reiser, S, 73, 186
Reiss, E, 109
Relman, AS, 261
Remsen, JF, 246
Remy, CN, 280
Renand, S, 133, 316
Rennert, OM, 360
Rennke, HG, 43
Repin, VS, 151
Resman, BH, 137
Restrepo, A, 358
Reyna, RH, 64
Reynafarje, C, 358
Reynolds, D, 49
Reynolds, RD, 25
Reynolds, TB, 360
Rhodes, VJ, 252
Rhyne, B, 348
Richard, JL, 73
Richard, JM, 198, 298
Richards, MP, 182
Richardson, EN, 49
Richardson, NL, 120
Richardson, TH, 163
Richardson, TJ, 305

Richter-Heinrich, E, 134
Rifkind, BM, 133
Riggs, BL, 363
Rigopoulos, GA, 261
Rigotti, NA, 363
Rim, E, 12
Rimm, AA, 200, 385, 386
Rimm, IJ, 385
Rimoldi, D, 346
Ring, GC, 163
Ringel, SP, 267
Ringsdorf, WM, Jr, 330
Risk, M, 293
Rivers, JPW, 293
Roberts, AB, 298
Roberts, DCK, LE218
Robertshaw, D, 363
Robertson, PB, 330
Robertson, WG, 79
Robinson, DR, 139
Robinson, HMP, 262, 273
Robitaille, P, 43
Robson, JRK, 43
Roche, AF, 267
Rodahl, K, 133
Rodin, J, 101
Roe, FJC, 77, 79
Rogan, E, 22
Rogers, RR, 79
Rognstad, R, 187
Rohan, TE, 201
Rolls, BJ, SA93, 101
Rolls, ET, 101
Rome, LH, 195
Romson, J, 133, 195
Rona, G, 134
Rondon Benaim, I, 283
Rosa, FW, 298
Rosales, L, 106
Rosales, O, 261
Rosato, EF, 232
Rose, G, 73
Rosen, HM, 231
Rosenberg, IH, 12, 183
Rosenberg, J, 331
Rosenberg, KR, 386
Rosenberg, L, 346
Rosenberg, LE, 238, 241
Rosenblatt, DS, 238, 241
Rosenman, RH, 64
Rosselin, G, 73
Rosseneu, M, 326
Rosshanai, F, 134
Rostenberg, I, 106
Roth, H, 182
Rothman, DL, 330
Rothrock, DW, 64, 133, 142, 148, 207
Rotter, J, 328
Rouaud, JL, 79
Rouser, G, 293
Roux, R, 8
Roveri, E, 7
Rowe, EA, 101
Royle, JP, 304
Rubenstein, D, 49
Rubin, J, 29, 31, 32
Rubinstein, A, 198, 298
Rucker, R, 246
Rucker, RB, 25
Rudel, LL, 326
Rudman, D, 163, 294
Ruiter, A, 148
Ruksan, B, 7
Rushmore, TH, 280
Russel, JR, 7
Russell, RM, 12
Russfield, A, 262
Ryan, AS, 104, 385
Ryan, MP, 261

Saarinen, VM, 23
Sabin, G, 49
Saekow, M, 365
Sahn, DE, 358
Saito, H, 133
Saito, Y, 133, 134
Sajiki, J, 133
Salam, WH, 150
Salmenperä, L, 169
Salmon, JA, 139
Salmon, WD, 280
Salter, DN, 182
Salter, M, 27, 379
Saltin, B, 59
Samartgedes, JA, 106
Samman, S, LE218
Sammarco, ME, 64
Sampson, EL, 293
Samuelson, B, 139
Samuelsson, B, 195, CL208
Sánchez Franco, F, 263
Sand, A, 163
Sanders, TAB, 134, 294, 315
Sandez-Medal, L, 358
Sandstrom, B, 185
San Filippo, FA, 235
Sanford, BA, 323
Sanjur, DM, 106
Sann, L, 252, LE252
Sano, K, 27
Sano, S, 311
Santiago, JV, 377
Santicioli, P, 22
Santner, SJ, 163
Sapia, O, 294
Sar, M, 300, 376
Sarson, D, 49
Sarson, DL, 49
Sasaki, A, 27
Sasaki, M, 27
Satanowsky, C, 261
Satchithanandam, S, 24
Satgé, P, 261
Sato, GH, 246, 247
Sato, M, 213
Satoh, S, 120
Satyanarayana, K, 163
Sauberlich, HE, 15, 123
Saudubray, J-M, 165
Saul, R, 323
Saunders, DR, 54
Saunders, K, 229
Savard, R, 386
Savino, W, 262
Sawhney, RC, 262
Saynor, R, 134
Scarpa, A, 250
Scarpello, JHB, 49
Schaefer, EJ, 326
Schaefer, K, 7, 8
Schall, SA, 299
Schanne, FAX, 118
Schauberger, G, 49
Schechter, MD, 331
Schedl, HP, 6
Scheidecker, JR, 49
Schemmel, R, 385
Schierbeek, H, 336
Schildt, B, 231
Schilling, K, 329
Schlabaugh, L, 386
Schluter, MD, 304
Schmid, A, 7
Schmidt, EB, 134
Schmutz, SM, 238, 241
Schnecker, BR, 182
Schneider, LE, 6
Schneider, MJ, 323
Schneider, VS, 235
Schnoes, HK, 7
Scholfield, DJ, 186
Schonfeld, F, 326
Schonfeld, G, 73
Schonten, JA, 134
Schoonerwaldt, HC, 165
Schott, K, 333
Schreiber, JB, 346

Schreibman, PH, 64
Schroeder, M-L, 238, 241
Schrott, HG, 64
Schuh, S, 238, 241
Schull, WJ, 200, 386
Schulsinger, F, 200, 386
Schultz, Y, 331
Schultzberg, M, 22
Schussler, GC, 262
Schutt, AJ, 32
Schutz, HE, 101
Schutz, Y, 59, 163
Schwartz, HL, 262
Schwartz, SE, 49
Schwartz, WB, 261
Schwarz, RI, 369
Sclafani, A, 101
Scott, EW, 235
Scott, IA, 154
Scott, TR, 101
Scrimshaw, NS, 358
Scriver, CR, 165
Seal, CJ, 182
Seargeant, LE, 238, 241
Sebrell, WH, 6
Sechen, SJ, 155
Seeburg, PH, 155
Seelig, S, 262
Seetharam, B, 238, 241
Seitz, HJ, 188
Sell, S, 280
Sells, MA, 280
Seizer, RH, 64
Sempos, CT, 358
Senft, B, 163
Senna, A, 261
Seppanen, R, 54
Serrano, O, 261
Settlage, RH, 360
Settle, SL, 185
Seyberth, JW, 195
Sgoutas, D, 305
Shaffer, CF, 15
Shainholtz, S, 363
Shainkin, R, 54
Shalita, AR, 198
Shambaugh, GE, III, 262
Shapiro, E, 368
Shapiro, SS, 374
Shapleigh, C, 139
Sharkey, KA, 22
Sharma, RP, 283
Sharrett, AR, 219
Shaw, S, 368
Shekelle, RB, 133, 385
Shelton, KR, 348
Shenai, JP, 204
Sherman, B, 386
Sherrard, DJ, 300
Shibato, T, 323
Shibuya, M, 248
Shidoji, Y, 346
Shih, C, 134
Shih, VE, 113
Shike, M, 64
Shils, ME, 64, 368
Shin, M, 27
Shinozuka, H, 280
Shipley, MJ, 73
Shipley, PG, 227, 358
Shireman, RB, 246
Shishido, H, 133
Shivapurkar, N, 280
Shive, W, 247
Shively, JN, 7
Shohet, SB, 375
Short, HP, 188
Short, JM, 188
Shryock, AM, 133
Shukla, HS, 231
Shultz, TD, 300
Shung, AL, 233
Shuster, S, 198
Sias, S, 155
Sibrowski, W, 188
Siegel, PS, 101
Siegel, RC, 25, 26
Sieling, B, 73
Sienkiewicz, ZJ, 101
Siimes, MA, 23, 169
Siitonen, O, 49
Silk, DBA, 297
Silva, JE, 262
Silver, MJ, 195
Silverman, A, 269
Silverman-Jones, CS, 346
Simell, O, 113
Simmonds, N, 227, 358
Simmons, PN, 139
Simms, JM, 231
Simones, AM, 118
Simonite, JP, 7
Simonnet, C, 252
Simons, J, 262
Simons, LA, 148
Simpson, HCR, 49, 73
Simpson, JEP, 265
Simpson, RW, 49, 73
Sinclair, AJ, 293, 294, 304
Sinclair, HM, 133, 134, 139, 207
Sing, CF, 200, 386
Singer, L, 235
Singer, P, 134
Singer, S, 326
Singh, A, 49
Singh, J, 282
Singh, M, 7, 198
Singh, VN, 198
Singhal, RL, 348
Sinnassamy, P, 43
Sinnhuber, RO, 294, 304, CL306
Siperstein, MD, 148
Sipes, IG, 22
Sirabasku, DA, 246
Sitrin, M, 12
Sitt, Y, 101
Sive, AA, 49
Sivitz, WI, 376
Sjöström, L, 64
Skeggs, HR, CL337
Skliar, MI, 7, 8
Skorepa, J, 134
Skotland, T, 250
Slatopolsky, E, 109, 300
Slavin, B, 49
Slinger, S, 195
Sloan, MV, 183
Smale, BF, 231
Smals, AGH, 165
Smellie, RMS, 133
Smid, JR, 282
Smirnov, VN, 151
Smit, AM, 262, 273
Smit, GPA, 336
Smith, AD, 293
Smith, BT, 329
Smith, E, 7, 134
Smith, EL, 358
Smith, GP, 229
Smith, IF, 163
Smith, JAR, 231
Smith, JB, 195
Smith, JC, 186, 360
Smith, JE, 314
Smith, JL, 297
Smith, JT, 341
Smith, KT, 183
Smith, LM, 305
Smith, MJH, 139
Smith, MW, 6, CL16
Smith, R, 113
Smith, RC, 229
Smith, RH, 163
Smith, SR, 262
Smith, U, 49
Smith, V, 64
Smolin, LA, 26
Snow, P, 49, 54

Snyder, F, 293
Snyder, JJ, 322
Sobel, BE, 344
Sobrado, J, 20
Sokol, RJ, 269, 360
Solomon, DH, 262
Solomon, MA, 385
Solomon, N, 262
Solomons, NW, 175, 183, R284
Sommer, A, 123
Song Kong, E, 333
Song, MK, 183
Soothill, JF, 137
Sörensen, TIA, 200, 386
Southgate, DAT, 54
Southworth, MB, 363
Spady, DW, 163
Spaethe, R, 49
Spanheimer, RG, 369
Spearman, JB, 220
Spector, AA, 134, 207, 293
Speek, AI, 79
Sperling, L, 293
Sperling, RI, 139
Speth, JD, 43
Spies, TD, 262
Spiess, A, 7
Spirakis, CN, 163
Spirer, Z, 300
Spitz, FJ, 293
Sporn, MB, 298
Sprague, JM, 229
Spray, CM, 261
Sprecher, H, 207, 215
Sprecher, M, 215
Springer, D, 101
Sprotte, U, 333
Spur, BW, 139
Srikantia, SG, 27, 261
Stackhouse, WJ, 163
Stager, JM, 363
Stahlman, MT, 204, 305
Stallones, RA, 358
Stamler, J, 133, 358
Stanbury, JB, 241, 263
Stanfield, JP, 261
Stankova, C, IV, 284
Stanley, JC, 379
Stansby, ME, 133, 134
Starcevich, JM, 269
Starich, GH, 73
Stark, H, 7
Staub, A, 49
Steckel, A, 358
Steenbock, H, 227
Stegink, LD, 64
Steichem, JJ, 109
Stein, TP, 304
Stein, Y, 64
Steinberg, AD, 139
Steinhour, WD, 155
Steinke, FH, 185
Stekel, A, 358
Stephen, AM, 54
Stern, JS, 101
Stern, M, 137
Stetsel, R, 250
Steward, RJC, 261
Stewart, DE, 299
Stewart, E, 358
Sticher, L, 7
Stiedemann, M, 284
Stiehm, ER, 299
Stiff, JE, 233
Stirling, GA, 273
Stoffel, W, 64, 133, 142, 148, 201
Stoffersen, E, 134
Stoll, J, 346
Stone, RE, 163, 262
Stone, T, 263
Stone, WL, 293
Strauss, JS, 198
Streicher, JA, 333
Streissguth, AP, 360
Stremple, JF, 231
Strom, DK, 293
Strøm, A, 133
Strumpf, D, 233
Stubbs, CD, 293
Stul, M, 326
Stumpf, WE, 300, 376
Stunkard, AJ, 200, 385, 386
Suda, T, 7, 300
Sugar, E, 235
Suldner, G, 49
Sulik, KK, 299
Sullivan, JM, 43
Sun, SC, 198, 298
Surks, MI, 262
Surolia, N, 180
Susanne, C, 163
Susanto, D, 123
Suskind, RM, 262
Suzuki, H, 261
Suzuki, T, 22
Svennerholm, L, 293, 294
Svensson, J, 195, CL208
Svirbely, JL, 15
Swan, H, 163
Swan, PB, 104
Sweeney, K, 101
Sweetman, BJ, 195
Sweetman, L. 336
Swendseid, ME, 360
Swenerton, H, 360
Switzer, BR, 163
Swyer, P, 326
Swyer, PR, 293
Szent-Gyorgy, A, 15
Szmukler, GI, 363

Tabor, CW, 322
Tabor, H, 322
Tada, K, 269
Takacs, E, 180
Takahashi, M, 22
Takahashi, R, 133
Takahashi, T, 27
Takase, H, 213
Takeuchi, N, 213
Takeuchi, T, 120
Tamura, Y, 133, 134
Tanaka, P, 104
Tanaka, Y, 300, 376
Tanner, JM, 163
Tarpila, S, 49
Tarwotjo, I, 123
Tashjian, AH, 7
Tateno, S, 133
Taube, C, 134
Taylor, R, 49
Taylor, RH, 48, 49, 73
Tazawa, Y, 269
Teague, E, 229
Teasdale, PR, 231
Teasdale, TW, 200, 386
Tejada, C, 262
ten Hoor, F, 207
Terano, H, 323
Terano, T, 133, 134, 139
Terland, O, 250
Thiébaud, D, 59
Thoemke, F, 333
Thomas, JA, 348
Thomas, JW, 73
Thomas, LN, 169
Thomas, M, 49
Thomas, MR, 341
Thomas-Benhamou, G, 195
Thomassen, MS, 134
Thomasson, HJ, 64, 142, 148, 194
Thompson, BR, 231
Thompson, DB, 23
Thompson, DG, 49
Thompson, LH, MSA44
Thompson, LU, 49
Thompson, RS, 133

Thomson, AM, 169
Thorne, MJ, 49, 73
Thorngren, M, 134
Thornton, J, 229
Thurlbeck, WM, 25
Thurston, RJ, 25
Thuy, LP, 233
Til, HP, 79
Tiller, JM, 7
Tilley, JMA, 7
Tilley, M, 6
Tilton, RA, 124
Timiras, PS, 262
Tinker, D, 246
Tinoco, J, 293, 294
Tirrell, JG, 250
Tisdale, FF, 15
Titus, BG, 134
Tkacz, JS, 323
Tobey, T, 73
Tobin, JD, 59, 365
Toca, T, 262
Tocurovicova, H, 134
Toft, D, 248
Tokarnia, CH, 6
Tomkins, A, 163
Tondeur, Y, 346
Tong, MJ, 12
Torsdottir, I, 49
Torun, B, 163
Toth, B, 22
Toth, K, 235
Tothill, P, 49
Touster, O, 323
Tovar, E, 261
Track, NS, 49
Traugott, K, 49
Tremblay, A, 386
Trichopoulos, D, 263
Trijbels, FJM, 165
Trinick, TR, 198
Tripathy, BB, 262
Trocki, O, 296, 297
Trowell, HC, 54
Trugnan, G, 195
Truhaut, R, 79
Trujillo, J, 229
Truswell, AS, 134, 227
Trzeciak, HI, 294
Tsaltas, TT, 64
Tsang, RC, 300
Tsibulsky, VP, 151
Tsukamoto, I, 311
Tsurumi, Y, 323
Tsuruoka, T, 323
Tucker, HA, 156
Tulsiani, D, 323
Tulsiani, DRP, 323
Tunnicliffe, R, 261
Turksoy, RN, 363
Turner, AC, 304
Turner, MD, 304
Turner, RC, 101
Turner, RT, 300
Turpeinen, O, 195
Tuttle, S, 360
Twomey, PL, 231

Uchida, K, 213
Ueno, K, 213
Uhl, L, 314
Ujlaki, E, 120
Ulleland, CN, 360
Umezawa, C, 27
Underwood, B, 358
Underwood, BA, 123, 217, 218
Underwood, LE, 163
Ungemach, FS, 323
Unyi, G, 22
Upton, DE, 101
Uribe, A, 6
Utiger, RD, 262
Uusitupa, M, 49

Vahlquist, A, 218, 314
Vahouny, GV, 24
Valledor, T, 261
Vallee, BL, 311, 360
Valtersson, C, 218
Van Biervliet, J, 326
Van Broeck, N, 262
Van Campen, DR, 23
Van den Schrieck, HG, 261, 262
van der Beek, A, 154
Vanderhoek, JY, 195
Vanderschueren-Lodeweÿcks, M, 262
van der Veen, EA, 134
van der Walt, LA, 262
van der Walt, A, 273
Vandongen, R, 201
van Drimmelen, M, 262, 273
van Duijvenvoorde, PM, 101
Vane, JR, 134, 195
van Es, AJH, B188
van Gent, CM, 148
van Hoof, F, 323
Van Itallie, TB, 101
Van Lelyveld, P, 188
Van Petten, C, 195, 293, 294
VanStaveren, NA, 79
van Veen, A, 106
Van Wyk, JJ, 163
Varga, F, 262
Varga, L, 120
Varner, MA, 156
Vassilopoulou-Sellin, R, 163
Vecchi, M, 7
Vega, M, 7
Vega, MA, 7
Velez, H, 358
Venkatachalam, MA, 43
Venkataraman, PS, 109
Venkat Rao, A, MSA44
Vercaemst, R, 326
Verstraeten, F, 262
Vessby, B, MSD88
Vickers, M, 134
Vidon, N, 49
Villar, J, 8
Villareale, M, 7
Vinaimont, N, 326
Vincendon, G, 293
Vinik, A, 49
Visakorpi, J, 333
Visakorpi, JK, 165
Visek, WJ, 113
Viskorpi, JK, 113
Viteri, F, 358
Viteri, FE, 163
Voelker, DR, 246
Vogel, P, 323
Voigt, S, 134
Vollset, SE, 133
von Harnack, GA, 163
von Lossonczy, TO, 148
von Shacky, C, 207
Vontilainen, E, 49
Voorhees, JJ, 373
Vose, JR, 54
Votava, JJ, 182
Vouillet, X, 79

Wacker, WE, 360
Waddell, J, 227
Wadsworth, GR, 43
Wahlqvist, ML, 49
Wahner, HW, 363
Wahren, J, 59, 331
Waite, A, 376
Waksal, SD, 262
Waldeck, N, 48
Walker, B, 22
Walker, BL, 294
Walker, JW, 101
Walker, R, 79
Walker, WA, 137
Wallace, DL, 123

Wallace, P, 365
Wallace, R, 386
Walling, MW, 6, 7
Walravens, PA, 360
Walsh, JH, 22
Walter, M, 231
Walters, RL, 54
Wanders, RJA, 379
Wappner, RS, 336
Wara, DW, 299
Wargovich, MJ, 265
Warmanen, E, 148
Wartofsky, L, 273
Washabaugh, MW, 311
Wasserman, RH, 6, 7
Watanabe, T, 120
Waterlow, JC, 163, 169, 175, 262, 267
Watkins, D, 241
Watt, J, 368
Waugh, WA, 15
Weber, FL, 54
Weber, G, 188
Weber, PC, 134, 207
Weclawowizc, J, 329
Wehling, CA, 269
Weight, LA, 7
Weiner, TW, 215
Weingold, AB, 106
Weinstein, GD, 154
Weisgraber, K, 326
Weisman, Y, 300
Welch, I, 229
Welch, RM, 23
Welle, S, 59
Wells, IC, 280
Werner, I, 89, 358
Werner, SC, 262
Wertz, PW, 154, 373
West, CE, B188
Westerhoff, HV, 379
Westhead, E, 250
Westlund, K, 133
Whang, R, 261
Wheeler, TG, 294
White, HB, 304
White, NH, 377
White, RJ, 154
Whitney, JO, 300
Whitsett, JA, 300
Wichmann, JK, 300
Widdowson, EM, SA221, 261
Wiegand, RD, 293
Wiese, HF, 304
Wiggins, HS, MSA50, 54
Wilber, JF, 262
Wilbraham, A, 227
Wilcox, HG, 150
Wilkinson, L, 374
Wilcock, EG, 227
Willem, MI, 79
Willers, EH, 7
Williams, CD, CL176, 227
Williams, D, 246
Williams, G, 293
Williams, HH, 166
Williams, JD, 139
Williams, MA, 294
Williams, ML, 198
Williams, PJ, 294
Williams, PN, 133
Williams, RA, 73
Williams, RD, 54
Williams, REO, 265
Williams, RG, 22
Williams, RHP, 231
Williamson, JR, 379
Willis, AL, 134, 293
Wilmore, DW, 262
Wilmshurst, EG, 49
Wilson, CS, 106, 262
Wilson, FD, 283
Wilson, JD, 142, 148, 336
Wilson, MJ, 280
Wilson, PW, 6
Wilson, RW, 200
Winawer, S, 265
Winberger, H, 227
Wingate, DL, 49
Winick, M, B124, 163
Winitz, M, 166
Wirth, M, 134
Withers, RFJ, 200
Witschi, J, 363
Witten, PW, 341
Wittes, RE, 31
Woeber, KA, 262
Wogan, GN, 280
Wolever, TMS, MSA44, 48, 49, 73
Wolf, B, 262
Wolf, DE, CL337
Wolf, G, 346
Wolf, WR, 218, 219
Wolff, JA, 165, 233
Wolff, OH, 267
Wollemann, M, 22
Wolter, R, 262
Wolterink, LF, 261
Wong, GS, 49, 73
Wong, PWK, 241
Wong, S, 134, 142
Wood, RE, 375
Woodcock, BE, 134
Woodruff, CW, 263
Woodward, B, LE283, 284
Wooley, OW, 101
Wooley, SC, 101
Woollard, PM, 139
Wooton, M, 79
Worker, NA, 6, 7
Worthington, BS, 261
Wright, LD, CL337
Wright, RA, 229
Wurzburg, O, 49
Wurzburg, OB, 79, MSA74, MSD81
Wynder, EL, 265
Wyngaarden, JB, 238, 241
Wynshaw-Boris, A, 188

Yadav, RC, 231
Yam, P, 374
Yamada, M, 269
Yamada, O, 27
Yamamoto, H, 120
Yamamura, HI, 22
Yamari, Y, 213
Yamazaki, K, 20
Yamori, Y, 133, 213
Yanmin, S, 235
Yano, S, 133
Yaxley, S, 101
Yeung, D, 104
Yoda, R, 385
Yoder, FW, 198
Yoon, JH, 49
Yorek, MA, 293
Yoshida, S, 133
Yoshida, Y, 133
Yoshimura, S, 133
Yoshinaga, T, 311
Yoshizawa, S, 300
Young, EE, 118
Young, G, 49
Young, PT, 101
Young, RW, 294
Youngdahl-Turner, P, 238
Youyou, A, 294
Yu, TC, 304, CL305
Yuspa, SH, 346

Zack, PM, 386
Zaikas, SC, 185
Zaikina, OE, 151
Zaleski, WA, 238, 241
Zanetta, JP, 293
Zapf, J, 163

Zappasodi, P, 262
Zaridze, DG, 265
Zech, LA, 198
Zeman, L, 326
Ziai, M, 360
Ziboh, VA, 154, 373
Ziegler, EE, 104, 169
Zimmerman, B, 104
Zimmerman, SI, 328
Zimontkowski, S, 134
Zombai, E, 120
Zucker, H, 7
Zukel, WJ, 73
Zukoski, C, III, 284
Zurcher, J, 300

Subject Index

Locators consist of the month of the issue followed by the page number of the article or the specific information referred to. A letter prefix indicating the type of article may precede the month, as follows:

CL:	Nutrition Classic	MSD:	Marabou Symposium Discussion
LE:	Letter to the Editor	SA:	Special (Signed) Article
NC:	Clinical Nutrition Case	SR:	Special Report
MSA:	Marabou Symposium Article		

The following abbreviations are used in the index terms:

EFA: essential fatty acids
EPA: eicosapentaenoic acid
PEPCK: phosphoenolpyruvate carboxykinase
PUFA: polyunsaturated fatty acids
TPN: total parenteral nutrition
VLDL: very-low-density lipoproteins

ACETATE
  colonic volatile fatty acid fraction and, MSD(Feb)85
ACNE
  isotretinoin treatment of, (Jun)196
ACYL-CoA: CHOLESTEROL ACYLTRANSFERASE
  effect of high cholesterol diet on, (Jun)212
ACYLGLUCOSYLCERAMIDE
  effect of age on linoleate content of, (Nov)372
ADENOSINE-3′,5′-CYCLIC MONOPHOSPHATE (cAMP)
  and glucagonal regulation of PEPCK, (May)186
S-ADENOSYLHOMOCYSTEINE (SAH)
  pyridoxine deficiency and, (Oct)340
S-ADENOSYLMETHIONINE (SAM)
  pyridoxine deficiency and, (Oct)340
ADIPOSE TISSUE
  role of VLDL in caloric transport to, MSD(Feb)86
  see also FAT
ADOLESCENTS
  obesity and television viewing in, (Jan)9
ADOPTION
  genetic vs environmental obesity and, (Jun)199, SA(Dec)381
ADRENAL CHROMAFFIN GRANULES
  role of ascorbate in catecholamine formation by, (Jul)248
AGING, PREMATURE
  vitamin E deficiency and, (Nov)374
ALANINE-GLUCOSE CYCLE
  protein-sparing effect of, (May)164
ALCOHOL ABUSE *see* ETHANOL-INDUCED DISEASE
ALFALFA
  vitamin D-like activity in, SA(Jan)3
ALKALINE H_2O_2 (HYDROGEN PEROXIDE)
  treatment of neutral detergent fibers with, (Jul)251
ALLERGIES, FOOD
  to bovine β-lactoglobulin in human milk, (Apr)135
ALLIESTHESIA
  defined, SA(Mar)94
  nutritional deficiency and, SA(Mar)95
  sensory-specific satiety vs, SA(Mar)95
  see also FOOD SELECTION; SATIETY, SENSORY-SPECIFIC
ALLYSINE
  effect of vitamin B_6 deficiency on, (Jan)24
AMENORRHEA
  bone loss and, (Nov)361
AMINO ACIDS
  aromatic, (Nov)377
  branched-chain, (May)164
  brain, (Oct)331
  competition, (Oct)331
  see also names of specific amino acids
DL-AMINOCARNITINE
  inhibition of carnitine acyltransferase by, (Aug)277
δ-AMINOLEVULINATE DEHYDRATASE
  effect of zinc on, (Sep)309
ANIMAL EXPERIMENTATION
  applicability to humans, SA(Jul)225
  ethical concerns, SA(Jul)226
  history of, SA(Jul)221
  species differences, SA(Jul)225
ANOREXIA

catch-up growth following, SA(May)157
ANTITHROMBIN
effect of n-3 fatty acids on, (Apr)131
AORTAL ABNORMALITIES
in copper deficiency, LE(Jun)218
APOLIPOPROTEINS B AND E
effect of cholesterol on secretion rates, (Apr)148
APOPROTEINS
levels and composition in infants and adults, (Oct)324
APPETITE *see* ALLIESTHESIA; FOOD SELECTION; SATIETY, SENSORY-SPECIFIC
ARACHIDONIC ACID
effect of EPA supplementation on, (Apr)137
epidermal water barrier maintenance and, (Apr)151
in EFA deficiency, (Jun)213
renal response to EFA deficiency, (Jun)213
role in biological membranes, SA(Sep)285
formation, SA(Apr)126
AROMATIC AMINO ACIDS
regulation of catabolism, (Nov)377
ASCORBATE
role in adrenal catecholamine formation, (Jul)248
ASCORBIC ACID *see* VITAMIN C
ASCVD *see* ATHEROSCLEROTIC CARDIOVASCULAR DISEASE
ASPARTATE AMINOTRANSFERASE
regulation of pyridoxal phosphate by, (Jul)247
ASTRAGALUS LENTIGINOSUS
and indolizidine alkaloid toxicity, SA(Oct)319
ATHEROSCLEROSIS
alanine-supplemented diets for, (May)164
in Danes, SA(Apr)127
effect of fish oil on, CL(Apr)143, SA(Apr)125
in Eskimos, SA(Apr)127, CL(Apr)143
n-3 fatty acids and, SA(Apr)125, CL(Apr)143
Western diet and, MSA (Feb)42
see also ATHEROSCLEROTIC CARDIOVASCULAR DISEASE; CORONARY HEART DISEASE
ATHEROSCLEROTIC CARDIOVASCULAR DISEASE (ASCVD)
metabolic risk factors, MSA(Feb)65, MSD(Feb)90
non-insulin dependent diabetes mellitus and, MSA(Feb)65, MSD(Feb)90
see also ATHEROSCLEROSIS, CORONARY HEART DISEASE

BASAL METABOLISM
early animal experiments on, SA(Jul)224
BERI-BERI
early animal experiments on, SA(Jul)222
BILE ACIDS
colon cancer and, (Aug)264
effect of calcium on, (Aug)264
BIOAVAILABILITY
of copper, (May)183
of minerals, MSD(Feb)83
of zinc, (May)181
BIOLOGICAL MEMBRANES
role of n-3 fatty acids in, SA(Sep)287
BIOMAGNIFICATION
of docosahexaenoic acid, SA(Sep)288
β-BLOCKERS
effect on postprandial thermogenesis, MSD(Feb)56, MSD(Feb)85
BLOOD PRESSURE
effect of n-3 fatty acids on, (Apr)131
see also HYPERTENSION
BLOOD-BRAIN BARRIER
and phenylalanine in phenylketonuria, (Oct)331
BODY WEIGHT
effect of smoking on, (Oct)330
genetics vs environment and, (Jun)199
Samoan, (Aug)265
see also FATNESS; OBESITY
BONE DENSITY
in amenorrheic athletes, (Nov)361
BOOKS AND REPORTS
EURO-NUT Reports 3, 4, and 5. S Ghione, CE West, AJH van Es, Editors. EURO-NUT: A Concerted Action Project on Nutrition in the European Community. JGAJ Hautvast, Chair, Agricultural University, The Netherlands, (May)188
Feeding the Mother and Infant. M Winick, Editor. John Wiley and Sons, (Mar)124
The History of Scurvy and Vitamin C by KJ Carpenter. Cambridge University Press, (Nov)380
Measurements of Iron Status. International Life Sciences Institute-Nutrition Foundation, (Nov)380
TEMA 5—Proceedings of the 5th International Symposium on Trace Elements in Man and Animals. CF Mills, I Bremner, and JK Chesters, Editors. Commonwealth Agricultural Bureaux, (Oct)348
BOVINE ADIPOSE TISSUE
metabolism, during lactation, (Oct)342
BOVINE GROWTH HORMONE
effect on milk production, (Apr)154
BRAIN
essentiality of n-3 fatty acids in, SA(Sep)286, SA(Sep)290
lead toxicity in, (Oct)347
liver glycogen and, MSA(Feb)41
BRAIN AMINO ACIDS
in phenylketonuria, (Oct)331
BRAIN FUNCTION
thyroid dysfunction and, SA(Aug)259

BRANCHED-CHAIN AMINO ACIDS
alanine-glucose cycle and, (May)164
BREAD
whole grain vs white, MSD(Feb)83
BREAST-FEEDING
during diarrheal episodes, (Mar)102
hospital modeling and maternal attitudes, (May)170
Mexican and US principles, (Mar)104
weight-length velocity and, (May)168
BREAST MILK *see* MILK, HUMAN
BRITISH NUTRITION FOUNDATION, (Feb)33
BRONCHOPULMONARY DYSPLASIA
and vitamin A deficiency in preterm infants, (Jun)202
BURN TRAUMA
effect on protein retention by structured triacylglycerols, (Jan)19
immediate enteral feeding and, (Sep)295
value of emulsified lipids for, (Jan)19
BUTYRYL-cAMP
and PEPCK-mRNA transcription rate, (May)186

CALCINOSIS, VITAMIN D
in cattle consuming *Solanum malacoxylon*, SA(Jan)1, CL(Jan)16
CALCIUM
colonic epithelial cell proliferation and, (Aug)264
effect of fluoride on in various species, (Aug)281
in infant formulas, (Mar)107
role in chemical cytotoxicity, (Mar)117
and zinc deficiency-induced cataracts in salmon, (Mar)118
see also HYPOCALCEMIA
CALCIUM METABOLISM
amenorrhea and, (Nov)361
effect of *Solanum malacoxylon* on, SA(Jan)1
effect of vitamin D metabolites on, SA(Jan)1
CALCIUM UPTAKE
and *Solanum malacoxylon*, CL(Jan)16
cAMP *see* ADENOSINE-3′,5′-CYCLIC MONOPHOSPHATE
CANCER
debate on use of vitamin C as therapeutic adjunct, SR(Jan)28
modern diet and, MSA(Feb)42
selenium and, LE(Jun)219
CANCER, COLONIC
calcium supplementation and, (Aug)264
CANCER, DUODENAL
capsaicin and, (Jan)20
CANCER, HEPATOCELLULAR
effect on vitamin K-dependent prothrombin synthesis, (Jan)10
CANCER, LIVER
choline and, (Aug)278
methionine and, (Aug)278
CAPSAICIN
depletion of substance P by, (Jan)20
effect on sensory nervous system, (Jan)20
metabolism and toxicity, (Jan)20
CAPSICUM HOT PEPPERS *see* CAPSAICIN
CARBOHYDRATES
atherosclerosis and, MSA(Feb)60
atherosclerotic heart disease and, MSA(Feb)65
colonic function and, (Feb)89
conversion to fat, MSD(Feb)85
coronary heart disease and, MSA(Feb)60
dietary recommendations for, (Feb)39
digestibility and glycemic response, MSD(Feb)83
effect of very high intake, (Feb)90
energetics and performance, MSA(Feb)55
energy balance and, MSA(Feb)55, MSD(Feb)85, (Feb)90
fat vs, and hypertriglyceridemia, MSA(Feb)60
fat vs, and hyperlipidemia, MSA(Feb)60
gastric emptying and, MSD(Feb)82
glycemic index of various, (Feb)89
hypertriglyceridemia and, MSA(Feb)60
intake by subclass, MSD(Feb)80
intake, in Africa, MSD(Feb)80
intake, in India, MSD(Feb)80
loading before exercise, MSA(Feb)57
metabolism, MSA(Feb)55
physiologic principles, MSA(Feb)40
physiology in intestine, MSD(Feb)82
processed, intake of, MSD(Feb)82
role in lower gut function, MSA(Feb)50
skeletal muscle performance and, MSA(Feb)55
CARBOHYDRATES, COMPLEX
amylose content, MSA(Feb)45
antinutrient content, MSA(Feb)44
factors affecting digestibility, MSA(Feb)47
fiber content, MSA(Feb)44
gastrointestinal absorption and, MSA(Feb)45
glycemic response to, MSA(Feb)44
molecular weight and processing, MSD(Feb)84
processing and, MSA(Feb)44
protein interaction with, MSD(Feb)84
rate of digestion, MSA (Feb)44
simple vs, in non-insulin dependent diabetes mellitus, MSA(Feb)69
see also STARCHES
CARBOHYDRATES, LENTE
glycemic response to, MSA(Feb)44, MSA(Feb)45
legumes, MSA(Feb)45
physiological effect, MSA(Feb)45
rate of digestion, MSA(Feb)45
Staub-Traugott phenomenon and, MSA(Feb)45
CARBOHYDRATES, SIMPLE
as colonic fermentation substrate, MSA(Feb)51
complex vs, in non-insulin dependent diabetes

mellitus, MSA(Feb)69
glycemic response to, MSA(Feb)44
refined, and non-insulin dependent diabetes mellitus, MSA(Feb)65
CARCINOGENS
exclusion from lipotrope test diets, (Aug)278
CARDIAC ARACHIDONATE
response to EFA deficiency, (Jun)213
CARDIOVASCULAR DISEASE *see* ATHEROSCLEROSIS; ATHEROSCLEROTIC CARDIOVASCULAR DISEASE; CORONARY HEART DISEASE
CARNITINE ACYLTRANSFERASE
inhibition of, (Aug)277
CARNITINE DERIVATIVES
hypoglycemic and antiketogenic effect, (Aug)277
CARNITINE SUPPLEMENTATION
for treatment of defective propionate metabolism, (Jul)232
CASEIN
effect on iron absorption, (Jan)22
zinc binding by, in cow's milk, (May)181
CASTANOSPERMINE
glucoproteins and, SA(Oct)317
CATABOLISM
of aromatic amino acids, (Nov)377
CATARACTS
zinc deficiency, in salmon, (Mar)118
CATTLE
digestibility of alkaline H_2O_2-treated lignified fibers by, (Jul)251
toxicosis in, SA(Oct)317
see also COWS
CELIAC DISEASE
catch-up growth following, SA(May)157
CELL AGING
vitamin E and, (Nov)374
CELL CULTURE
usefulness of, (Jul)245
see also CULTURE MEDIA
CELLULAR RETINOIC ACID-BINDING PROTEIN
role in hepatic retinol metabolism and turnover, (Sep)311
CELLULAR RETINOL-BINDING PROTEIN
role in hepatic retinol metabolism and turnover, (Sep)311
CELLULOSE
effect of alkaline H_2O_2 treatment on digestibility of, (Jul)251
in the Western diet, MSD(Feb)80, (Feb)89
CERAMIDES
role in maintenance of epidermal water barrier, (Apr)151
CEREBRAL CORTEX
essentiality of n-3 fatty acids in, SA(Sep)286, SA(Sep)290
CESTRUM DIURNUM
vitamin D-like activity in, SA(Jan)3
CHEEK CELLS
as indicators of fatty acid intake, (Jun)200
CHICKEN EXPERIMENTATION
historically important, SA(Jul)221
see also ANIMAL EXPERIMENTATION
CHILD DEVELOPMENT
food preferences and, (Oct)327
CHOLECALCIFEROL *see* VITAMIN D_3
CHOLESTEROL
biliary excretion of, and fish oil consumption, (Apr)147
dietary, effect in hypertensive rats, (Jun)212
effect of isotretinoin on, (Jun)196
effect on VLDL-apolipoprotein hepatocyte secretion, (Apr)148
CHOLESTEROL ESTERASE ACTIVITY
extrahepatic ethanol injury and, (Oct)43
CHOLESTEROL, SERUM
in Eskimos, CL(Apr)143
fish oils and, CL(Apr)143, (Apr)147
in infants and adults, (Oct)324
CHOLESTERYL OLEATE
effect of high cholesterol diet on, (Jun)212
CHOLINE
study of, using cell cultures, (Jul)245
CHOLINE DEFICIENCY
liver cancer and, (Aug)278
CHRONIC DISEASE
diet and, SA(Nov)356
CITRATE
zinc absorption and, (May)181
CITRULLINE THERAPY
for lysinuric protein intolerance, NC(Mar)110
CLASSICS *see* NUTRITION CLASSICS
CLINICAL NUTRITION CASES
"Alteration in Thyroid Function in Protein-Calorie Malnutrition," (Aug)270
"An Inborn Error of Cholesterol Biosynthesis," (Oct)334
"Biochemical Effect of Marine Fish Oils in a Human Subject," (Jun)205
"Catch-up Growth Following Severe Malnutrition," (May)173
"Cobalamin E Disease in an Infant," (Jul)239
"Combined EFA Deficiency in a Patient on Long-term TPN," (Sep)301
"Experimental Scurvy in a Young Man," (Jan)13
"Lysinuric Protein Intolerance: A Rare Cause of Childhood Osteoporosis," (Mar)110
"The Korsakoff Syndrome in an Alcoholic Man with Scurvy," (Nov)366
"Treatment of Combined Hyperlipidemia with Fish and Vegetable Oils," (Apr)140
COBALAMIN DEFICIENCY

due to genetic disorders, (Jul)236, NC(Jul)239
COBALAMIN E DISEASE
infantile, NC(Jul)239
mental development and, NC(Jul)239
COBALAMIN, ADENOSYL
deficiency, (Jul)236
COBALAMIN, METHYL
deficiency, (Jul)236
COCKEREL
effect of fluoride on plasma electrolytes and metabolites in, (Aug)281
COD LIVER OIL
effect on plasma lipids, SA(Apr)127
side effects of, (Apr)132
COLIC, INFANTILE
due to immunoreactive bovine β-lactoglobulins in human milk, (Apr)135
COLONIC CANCER *see* CANCER, COLONIC
COLONIC FERMENTATION *see* FERMENTATION, COLONIC
COLUMBINIC ACID
epidermal water barrier maintenance and, (Apr)151
CONGENITAL ANOMALIES
isotretinoin-induced, (Sep)297
related to alcohol and low zinc, (Nov)359
CONTINGENT ACTIVITY
childhood food preferences and, (Oct)327
CONTINUOUS FEEDING
of children with diarrhea, (Mar)102
COPPER BIOAVAILABILITY
assessment of, (May)183
fructose and, (May)183
zinc and, (May)183
COPPER DEFICIENCY
aortal abnormalities in, LE(Jun)218
CORONARY HEART DISEASE
diet and, clinical trials of, MSA(Feb)63
effect of hypertriglyceridemia on, MSA(Feb)60
fat vs carbohydrate and, MSA(Feb)60
see also ATHEROSCLEROSIS; ATHEROSCLEROTIC CARDIOVASCULAR DISEASE
CORTICOSTEROIDS
pyridoxal phosphate regulation of enzyme induction by, (Jul)247
COTERATOGEN
alcohol and low zinc, (Nov)359
COWS
effect of bovine growth hormone on, (Apr)154
CREATININE
effect of fluoride on in various species, (Aug)281
CROHN'S DISEASE
and vitamin K deficiency, (Jan)10
CULTURAL GUIDELINES
for breast-feeding and weaning, (Mar)104
CULTURE MEDIA
defined, (Jul)245
hormones in, (Jul)245
lymphocytes in, (Jul)245
serum-free, (Jul)245
CUSHING'S DISEASE
catch-up growth following, SA(May)157
CYCLIC AMP (cAMP) *see* ADENOSINE-3',5'-CYCLIC MONOPHOSPHATE
CYSTIC FIBROSIS
catch-up growth following, SA(May)157
CYTOCHROME b_{561}
role in transmembrane transport of ascorbate, (Jul)248
CYTOTOXICITY
chemical, effect of vitamin E on, (Mar)117

DACTYLIS GLOMERATA
vitamin D-like activity in, SA(Jan)3
DANES
Eskimos vs, chronic disease in, SA(Apr)127
PUFA intake, SA(Apr)127
DARLING PEA
indolizidine alkaloid toxicity and, SA(Oct)317
DAY-BLOOMING JESSAMINE
vitamin D-like activity in, SA(Jan)3
DEEP BODY FAT
as indicator of fatty acid intake, (Jun)200
Δ^9-DESATURASE
effect of high cholesterol diet on, (Jun)212
DESMOSINE
effect of vitamin B_6 deficiency on, (Jan)24
DHA *see* DOCOSAHEXAENOIC ACID
DHO *see* DIHYDROOROTASE
DIABETES MELLITUS
glycemic index and, MSA(Feb)45
hypoglycemic effect of carnitine derivatives on, (Aug)277
legume consumption and, MSA(Feb)45
lente carbohydrates and, MSA(Feb)45
DIABETES MELLITUS, NON-INSULIN-DEPENDENT
atherosclerotic cardiovascular disease and, MSA(Feb)65, MSD(Feb)90
effect of dietary carbohydrate on, MSA(Feb)65, MSD(Feb)87
effect of low-fat high-carbohydrate on, MSA(Feb)65, MSD(Feb)90
lipoprotein metabolism and, MSA(Feb)65
sucrose and, MSA(Feb)69
DIARRHEA
feeding of children with, (Mar)102
DIET
Eskimo, SA(Apr)127, NC(Apr)140, CL(Apr)145
primitive man's, MSA(Feb)41
western, MSD(Feb)80, (Feb)89, (Jun)191

DIET THERAPY
of disorders of propionate metabolism, (Jul)232
DIETARY ASSESSMENT *see* NUTRITIONAL ASSESSMENT
DIETARY GUIDELINES
carbohydrates, MSA(Feb)43, MSD(Feb)87, MSD(Feb)89, (Feb)91
fat, MSA(Feb)43, MSD(Feb)88, (Feb)91
for Americans, (Feb)39
meaning of, SA(Nov)351
starch, MSD(Feb)80
sucrose, MSD(Feb)80
vitamin A, LE(Mar)122
see also RECOMMENDED DIETARY ALLOWANCES
DIHYDROOROTASE (DHO)
effect of zinc on, (Sep)309
β,δ-DIHYDROXY-β-METHYLVALERIC ACID
determination of structure, CL(Oct)337
1,25-DIHYDROXYCHOLECALCIFEROL-GLYCOSIDE
and calcinosis in cattle, SA(Jan)1
metabolism of, in animals, SA(Jan)1
and *Solanum malacoxylon*, SA(Jan)1
use in medicine and animal husbandry, SA(Jan)6
1,25-DIHYDROXYVITAMIN D_3
epidermal production of, (Sep)299
in *Solanum malacoxylon*, CL(Jan)16
DISTARCH ADIPATES
caloric value of, MSA(Feb)75
digestibility of, MSA(Feb)75
DISTARCH PHOSPHATES
caloric value of, MSA(Feb)75
digestibility of, MSA(Feb)75
DOCOSAHEXAENOIC ACID (DHA)
atherosclerosis and, SA(Apr)125
effect on leukotriene synthesis, (Apr)137
effect on neutrophil function, (Apr)137
essentiality in the brain, SA(Sep)286, SA(Sep)290
essentiality in the retina, SA(Sep)286, SA(Sep)288
essentiality in trout, CL(Sep)306
linolenic acid as a source of, LE(Sep)315
prostaglandin metabolism and, NC(Jun)205
role in biological membranes, SA(Sep)285
tissue distribution of, SA(Sep)286
see also EICOSAPENTAENOIC ACID; n-3 FATTY ACIDS
DOCOSAHEXAENOIC ACID DEFICIENCY
following long-term TPN, NC(Sep)301
DOG EXPERIMENTATION
historically important, SA(Jul)222
see also ANIMAL EXPERIMENTATION
DOLICHOL
and phosphatidylmannose biosynthesis, (Oct)345
DOLICHYLPHOSPHATE
and phosphatidylmannose biosynthesis, (Oct)345
DOLICHYLPHOSPHATE MANNOSE
and phosphatidylmannose biosynthesis, (Oct)345
DOPAMINE-β-HYDROXYLASE
role in adrenal catecholamine formation, (Jul)248
DUODENAL CANCER *see* CANCER, DUODENAL
DUODENUM
role in alliesthesia, SA(Mar)94

EFA *see* ESSENTIAL FATTY ACIDS
EGGSHELL THICKNESS
therapeutic use of *Solanum malacoxylon* for, SA(Jan)6
EICOSANOIDS
effect of composition on function, SA(Jun)193
excessive, SA(Jun)190
and PUFA essentiality, SA(Jun)189
EICOSAPENTAENOIC ACID (EPA)
atherosclerosis prevention and, SA(Apr)125
effect on hemostasis, SA(Apr)129
effect on inflammation, (Apr)137
effect on leukotriene synthesis, (Apr)137
effect on neutrophil function, (Apr)137
effect on plasma lipids, SA(Apr)126
effect on prostaglandins, (Apr)137, SA(Jun)189, NC(Jun)205
essentiality of, SA(Jun)190
Eskimo studies, SA(Apr)127, NC(Apr)140, CL(Apr)143
linolenic acid as a source of, LE(Sep)315
side effects, (Apr)131
see also DOCOSAHEXAENOIC ACID; n-3 FATTY ACIDS
EPA DEFICIENCY
following long-term TPN, NC(Sep)301
ELASTIN
effect of vitamin B_6 deficiency on, (Jan)24
EMBRYOPATHY
isotretinoin-induced, (Sep)297
ENDEMIC GOITER
protein-calorie malnutrition and, SA(Aug)260
ENDOPEROXIDES
metabolites of, CL(Jun)208
ENDOPLASMIC RETICULUM
role in retinol pathway, (Jun)216
ENDOSOMES
role in retinol pathway, (Jun)216
ENERGY
requirements for catch-up growth, SA(May)157
ENERGY EXPENDITURE
in smokers vs nonsmokers, (Oct)330
ENERGY INTAKE
in amenorrheic athletes, (Nov)361
ENERGY LOSS
post-traumatic, emulsified lipids for, (Jan)19

ENTEQUE SECO
see SOLANUM MALACOXYLON
ENTERAL FEEDING
immediate, in burn injury, (Sep)295
ENZYME REGULATION
of thiol groups, (Sep)309
EPA *see* EICOSAPENTAENOIC ACID
EPIDERMAL WATER BARRIER
essential fatty acids and, (Apr)151
EPINEPHRINE
effect on PEPCK, (May)186
ERYTHROCYTES
senescence of, and vitamin E, (Nov)374
ESKIMOS
and Danes, chronic disease patterns in, SA(Apr)127
diet of, CL(Apr)145, SA(Jun)189
fish oil consumption and plasma lipids, NC(Apr)140, CL(Apr)143
PUFA intake, SA(Apr)127
ESPICHAMENTO
see SOLANUM MALACOXYLON
ESSENTIAL FATTY ACID DEFICIENCY
arachidonate retention in, (Jun)213
effect on the skin water barrier, (Nov)372
effect in brain, SA(Sep)290
effect in retina, SA(Sep)288
following long-term TPN, NC(Sep)301
ESSENTIAL FATTY ACIDS (EFA)
dietary sources, SA(Sep)287
effect of composition on function, SA(Jun)193
epidemiologic studies of, SA(Jun)189
epidermal water barrier maintenance and, (Apr)151
essentiality of, SA(Jun)189
excessive, SA(Jun)192
minimal requirements, SA(Jun)193
synthesis of, SA(Sep)287
tissue distribution, SA(Sep)287
ESTERIFICATION
bovine, during lactation, (Oct)342
ESTROGEN
and bone density in amenorrheic athletes, (Nov)361
ETHANOL-INDUCED DISEASE
extrahepatic, (Oct)343
fatty acid ethyl esters and, (Oct)343
Korsakoff syndrome, (Nov)366
congenital anomalies, (Nov)359
ETHYL ESTER FATTY ACIDS
alcohol abuse and, (Oct)343
EXERCISE
amenorrhea and, (Nov)361
catch-up growth and, SA(May)161
see also MUSCLE PERFORMANCE
EXPERIMENTATION, ANIMAL
see ANIMAL EXPERIMENTATION
EXTRATHYROIDAL FREE IODIDE COMPARTMENT
alterations caused by long-term protein-calorie malnutrition, SA(Aug)253
EXTRATHYROIDAL HORMONAL IODINE COMPARTMENT
alterations caused by long-term protein-calorie malnutrition, SA(Aug)254

FAMILIAL COMBINED HYPERLIPIDEMIA (FCH)
clinical case of, NC(Apr)140
effect of fish and vegetable oils on, NC(Apr)140
FAMILIAL ENVIRONMENT
obesity and, (Jun)199, SA(Dec)381
FAMILIAL PROTEIN INTOLERANCE
alanine-supplemented protein-restricted diet, (May)164
FAMILIARITY
childhood food preferences and, (Oct)327
FAT
carbohydrates vs, and hypertriglyceridemia, MSA(Feb)60
colon cancer and, (Aug)264
deposition, energetics of, SA(May)157
effect of calcium on, (Aug)264
glucose conversion to, MSD(Feb)85
FAT BIOPSIES
methods for obtaining, (Jun)200
FAT INTAKE
dietary recommendations for, (Feb)39
FAT, MONOUNSATURATED
effect on hypertriglyceridemia, MSA(Feb)60
FATNESS
family-line factors in, SA(Dec)381
genetics vs environment and, (Jun)199
in low-income women, SA(Dec)381
menarchal timing and, SA(Dec)381
socioeconomic factors in, SA(Dec)381
spousal similarities in, SA(Dec)381
see also OBESITY
n-3 FATTY ACID DEFICIENCY
effect on behavior, SA(Sep)290
effect on the brain, SA(Sep)290
effect on the retina, SA(Sep)288
following long-term TPN, NC(Sep)301
reversibility of, SA(Sep)291
n-3 FATTY ACIDS
animal studies, SA (Apr)129
antagonism of n-6 fatty acids by, SA(Jun)192
atherosclerosis prevention and, SA(Apr)125
biochemical effect of, NC(Jun)205
dietary sources, SA(Sep)287, LE(Sep)315
distinguished from n-6 fatty acids, SA(Sep)285
effect in familial combined hyperlipidemia, NC(Apr)140

effect on antithrombin, (Apr)131
effect on blood pressure, (Apr)131
effect on hemostasis, SA(Apr)129
effect on hypertriglyceridemia, MSA(Feb)62
effect on leukotriene synthesis, (Apr)137
effect on neutrophil function, (Apr)137
effect on plasma lipids, SA(Apr)129
effect on plasma renin, (Apr)131
effect on platelets, (Apr)132
effect on rat cholesterol metabolism, (Apr)147
Eskimo studies *see* ESKIMOS
essentiality, SA(Apr)285, SA(Jun)189
essentiality in the brain, SA(Sep)285, SA(Sep)290
essentiality in the retina, SA(Sep)285, SA(Sep)288
n-6 fatty acids vs, SA(Apr)126, SA(Jun)191
function of, SA(Sep)285
origin, SA(Apr)125
plant sources vs fish oils, LE(Sep)315
recommended intake of, SA(Sep)285
side effects, (Apr)131
sources, (Apr)131
synthesis, SA(Sep)287
tissue distribution of, SA(Sep)286
see also DOCOSAHEXAENOIC ACID; EICOSAPENTAENOIC ACID; ESSENTIAL FATTY ACIDS; FISH OILS; LINOLENIC ACID
n-6 FATTY ACIDS
atherosclerosis and, SA(Apr)125
dietary sources, SA(Sep)287
distinguished from n-3 fatty acids, SA (Apr)125, SA(Jun)191, SA(Sep)285
effect on plasma lipids, SA(Apr)129
essentiality, SA(Jun)189, SA(Sep)285
excessive, SA(Jun)192
function of, SA(Sep)285
synthesis, SA(Sep)287
tissue distribution of, SA(Sep)287
see also ARACHIDONIC ACID; LINOLEIC ACID
FATTY ACIDS, DIETARY
fat microbiopsy for assessing, (Jun)200
FATTY ACIDS, SHORT-CHAIN
and carbohydrate fermentation, MSA(Feb)53
FATTY LIVER
effect of high cholesterol diet on, (Jun)212
FCH *see* FAMILIAL COMBINED HYPERLIPIDEMIA
FERMENTATION, COLONIC
caloric intake from, MSD(Feb)84
importance, MSA(Feb)53, (Feb)90
of starches, MSA (Feb)52, MSD(Feb)84
products of, MSA(Feb)51
short-chain fatty acids and, MSA(Feb)53
substrates for, MSA(Feb)50
sugar, MSA(Feb)52
FETAL ALCOHOL SYNDROME
zinc deficiency and, (Nov)359
FFA *see* FREE FATTY ACIDS
FIBER
as colonic fermentation substrate, MSA(Feb)50
in non-insulin dependent diabetes
plasma glucose concentrations, MSA(Feb)67, MSD(Feb)90
plasma lipid concentrations, SA(Feb)67, MSD(Feb)90
see also POLYSACCHARIDES, NON-STARCH
FISH OIL
biochemical effect of, NC(Jun)205
effect on familial combined hyperlipidemia, NC(Apr)140
effect on hemostasis, SA(Apr)129
effect on hypertriglyceridemia, MSA(Feb)62, CL(Apr)143
effect on leukotriene synthesis, (Apr)137
effect on neutrophil function, (Apr)137
effect on rat cholesterol metabolism, (Apr)147
effect on VLDL synthesis, NC(Apr)140
Eskimo studies *see* ESKIMOS
fatty acid essentiality and, SA(Apr)125, SA(Jun)189
n-3 fatty acid essentiality and, SA(Sep)285
vegetable oil vs, (Apr)147
see also EICOSAPENTAENOIC FATTY ACIDS; DOCOSAHEXAENOIC FATTY ACIDS; n-3 FATTY ACIDS; POLYUNSATURATED FATTY ACIDS
FLAVIN ADENINE DINUCLEOTIDE (FAD)
riboflavin carrier protein and, (May)179
FLAVIN METABOLISM
immunoneutralization of riboflavin carrier protein and, (May)176
FLUORIDATION
effect on the fluoride content of food and water, (Jul)233
FLUORIDE
food and water content, in areas of widespread fluoridation, (Jul)233
species variations in response to, (Aug)281
FLUX CONTROL COEFFICIENTS
of aromatic amino acids, (Nov)377
FOOD PREFERENCES
manipulation of, (Oct)327
FOOD SELECTION
cognitive satiety and, SA(Mar)96
effect of sugars on, SA(Mar)95
macronutrient content and, SA(Mar)99
monotony and, SA(Mar)99
physiological need and, SA(Mar)93
sensory properties and, SA(Mar)93
variety vs preference, SA(Mar)93
in newly weaned infants, (Mar)114

see also ALLIESTHESIA; SATIETY, SENSORY-SPECIFIC
FREE FATTY ACIDS (FFA)
effect on liver VLDL-triglyceride secretion, (Apr)148
measurement of, MSD(Feb)86
oxidation during prolonged exercise, MSA(Feb)55
FRUCTOSE
copper bioavailability and, (May)183

GASTRIC EMPTYING
of carbohydrates, MSD(Feb)82, MSD(Feb)90
role of ileal receptors in, (Jul)228
GASTROINTESTINAL DISORDERS
and vitamin K deficiency, (Jan)10
GDP-MANNOSE
catalysis of transport, (Oct)345
GENETIC DEFECTS
of vitamin B_{12} metabolism, (Jul)236
GENETIC ENGINEERING
bovine growth hormone, (Apr)154
GENETICS
obesity and, (Jun)199
GHANA
report of kwashiorkor in, CL(May)176
GLUCAGON
effect on PEPCK, (May)186
GLUCOCORTICOIDS
effect on PEPCK, (May)186
GLUCONEOGENESIS
hormonal regulation of, (May)186
GLUCOSE
as basic carbohydrate unit, MSA(Feb)40
brain, MSA(Feb)41
effect of fluoride on, in various species, (Aug)281
extent of conversion to fat, MSD(Feb)85
glycogen storage from, MSA(Feb)40
hormonal regulation of, (May)186
reactivity of, MSA(Feb)40
regulation of PEPCK, (May)186
GLUCOSE DISPOSAL RATE
effect of obesity on, (Nov)363
GLUCOSE TOLERANCE
vitamin D_3 and, (Nov)375
GLUCOSE-INDUCED THERMOGENESIS *see under* THERMOGENESIS, POSTPRANDIAL
GLUCOSIDASE
inhibition by castanospermine, SA(Oct)317
GLYCEMIC INDEX
defined, (Feb)89
diabetes treatment and, MSA(Feb)48
factors affecting, (Feb)89
formula for, MSA(Feb)48
hyperlipidemia treatment and, MSA(Feb)48
GLYCEMIC RESPONSE
and digestibility of starch, MSD(Feb)82
effect of fiber on, MSD(Feb)82
legumes and, MSD(Feb)82
rate of starch digestion and, MSA(Feb)44
small intestinal absorption and, MSA(Feb)45
GLYCOGEN
liver, MSA(Feb)40
muscle, MSA(Feb)40
GLYCOPROTEIN
castanospermine toxicosis and, SA(Oct)321
swainsonine toxicosis and, SA(Oct)319
synthesis of, (Oct)345
GOLD COAST
report of kwashiorkor in, CL(May)176
GROWTH
retardation, SA(May)157, NC(May)173
GROWTH HORMONE
bovine, (Apr)154
porcine, (Apr)154
GROWTH HORMONE DEFICIENCY
catch-up growth following, SA(May)157
GROWTH, CATCH-UP
dietary requirements for, SA(May)159
duration of, SA(May)158
effect of body proportion, SA(May)158
exercise and, SA(May)161
following malnutrition, SA(May)157, NC(May)173
hormonal regulation of, SA(May)161
nature of initial deficit and, SA(May)157, NC(May)174
passive muscle stretching, SA(May)162
rate of, SA(May)157
tissue deposition in, SA(May)160
weight vs length deficit, SA(May)157
GUIDELINES, DIETARY *see* DIETARY GUIDELINES
GUINEA PIG EXPERIMENTATION
historically important, SA(Jul)221
see also ANIMAL EXPERIMENTATION

HAY, RED CLOVER
livestock toxicosis and, SA(Oct)317
HEART DISEASE *see* ATHEROSCLEROSIS; ATHEROSCLEROTIC CARDIOVASCULAR DISEASE; CORONARY HEART DISEASE
HEMICELLULOSE
effect of alkaline H_2O_2 treatment on digestibility of, (Jul)251
HEMODIALYSIS
therapeutic use of *Solanum malacoxylon* for, SA(Jan)6
HEPATOCELLULAR CARCINOMA *see* CANCER, HEPATOCELLULAR
HEPATOCYTES
retinol distribution and turnover in, (Sep)311
HEPATOCYTES, CULTURED
vitamin E and chemical toxicity in, (Mar)117

VLDL-apolipoprotein secretion, effect of cholesterol on, (Apr)148
HERITABILITY
body weight and, (Jun)199, SA(Dec)381
HOLLAND
PUFA intake in, SA(Apr)128
HOMEORHESIS
lactation and, (Oct)342
HOMEOSTASIS
lactation and, (Oct)342
HOMOCYSTEINE
increase in vitamin B_6 deficiency, (Jan)24
HOMOCYSTINURIA
alanine-supplemented protein-restricted diet, (May)164
HUMAN EXPERIMENTATION
vs animal experimentation, SA(Jul)225
HYALINE MEMBRANE DISEASE
and bronchial dysplasia in preterm infants, (Jun)202
HYDROPEROXIDE
and eicosanoid formation, SA(Jun)191
HYPERAMMONEMIA
in lysinuric protein intolerance, NC(Mar)110
HYPERCHOLESTEROLEMIA
effect of fish and vegetable oils, NC(Apr)140
HYPERLIPIDEMIA
fat vs carbohydrates and, MSA(Feb)60
glycemic response and, MSA(Feb)45
legume consumption and, MSA(Feb)45
lente carbohydrates and, MSA(Feb)45
see also FAMILIAL COMBINED HYPERLIPIDEMIA
HYPERPARATHYROIDISM
in infants fed cow's milk formulas, (Mar)107, LE(Jul)252
HYPERTENSION
effect of n-3 fatty acids on, (Apr)131
rat, effect of increased cholesterol on, (Jun)212
HYPERTRIGLYCERIDEMIA
carbohydrate-induced, MSA(Feb)60, MSD(Feb)86
coronary heart disease and, MSA(Feb)60
dietary carbohydrates and, MSD(Feb)87
etiology and response to diet, MSA(Feb)60
fish oils and, MSA(Feb)60, NC(Apr)140
patient heterogeneity, MSA(Feb)61
pancreatitis associated with, MSD(Feb)87
vegetable oils and, NC(Apr)140
HYPERZINCURIA
in infants with fetal alcohol syndrome, (Nov)359
HYPOCALCEMIA
in infants fed humanized cow's milk formula, (Mar)107
HYPOGLYCEMIA
carnitine derivative-induced, (Aug)277
HYPOPARATHYROIDISM
therapeutic use of *Solanum malacoxylon* for, SA(Jan)6
HYPOTHERMIA
capsaicin-induced, (Jan)20
HYPOTHYROIDISM
catch-up growth following, SA(May)157

IgG *see* IMMUNOGLOBULIN G
ILEAL RECEPTORS
role in satiety, (July)228
ILEOSTOMY PATIENTS
as models for small intestine digestion, MSD(Feb)85
ILEUM
role in food intake regulation, (Jul)228
role in vitamin K absorption, (Jan)10
IMMUNE RESPONSE
thyroid dysfunction and, SA(Aug)259
impairment from zinc megadoses, LE(Aug)283
IMMUNOGLOBULIN G (IgG)
binding to senescent cells, (Nov)374
IMMUNONEUTRALIZATION
of riboflavin carrier protein in rats, (May)179
INACTIVITY
and obesity in television viewers, (Jan)9
INDIRECT CALORIMETRY, (Oct)330
INDOLIZIDINE ALKALOIDS
livestock toxicosis and, SA(Oct)317
INDOMETHACIN
and effect of linoleate on tumors, SA(Jun)193
INFANT FEEDING
American practices, (Mar)103
essentiality of n-3 fatty acids in, SA(Sep)292
and obesity in Samoa, (Aug)265
see also MILK, COW; MILK, HUMAN; INFANT FORMULA
INFANT FEEDING CHOICES
hospital modeling and maternal attitudes, (May)170
INFANT FORMULA
calcium and phosphorus content of, (Mar)107, LE(Jul)252
copper content, (May)183
hospital modeling and maternal attitudes, (May)170
humanized cow's milk, (Mar)107, LE(Jul)252
serum lipoproteins and, (Oct)324
supplemental, and weight-length velocity, (May)168
and vitamin E deficiency in preterm infants, (May)166
INFANT GROWTH
and obesity in Samoa, (Aug 265)
INFANTS
food fluoride consumption of, (Jul)233

obesity in, SA(Dec)381
INFLAMMATION
effect of EPA supplementation on, (Apr)137
effect of leukotrienes on, (Apr)131, (Apr)137
INFLAMMATORY BOWEL DISEASE
vitamin K deficiency in, (Jan)10
INSTRUMENTAL ACTIVITY
childhood food preferences and, (Oct)327
INSULIN
effect of obesity on, (Nov)363
effect on PEPCK, (May)186
effect on postprandial thermogenesis, MSA(Feb)57
secretion and vitamin D_3, (Nov)375
INTACT PROTEIN
in burn injury feeding, (Sep)295
INTRALIPID®
effect on satiety, (Jul)228
INTRANUCLEAR INCLUSION BODIES
renal, and lead toxicity, (Oct)347
INTRATHYROID ORGANIC IODINE
alterations caused by long-term protein-calorie malnutrition, SA(Aug)254
IODINE
in the thyroxine molecule, CL(Aug)274
IRON ABSORPTION
effect of casein and soy-protein isolate on, (Jan)22
IRON DEFICIENCY
in infants fed cow's milk, (Mar)103
in preterm infants, (May)166
ISOLEUCINE
effect of alanine on diets restricted in, (May)164
ISOTRETINOIN
effect on plasma lipids and lipoproteins, (Jun)196
human teratogenicity and, (Sep)297

JAPAN
PUFA intake in, SA(Apr)127

KETOACIDEMIA
inhibition by carnitine derivatives, (Aug)277
KETOACIDOSIS
inhibition by carnitine derivatives, (Aug)277
KETOGENESIS
reduction by carnitine therapy, (Jul)32
KIDNEY
and 1,25-dihydroxyvitamin D_3, (Sep)299
lead toxicity in, (Oct)347
KORSAKOFF SYNDROME
in scurvy, (Nov)366
KUPFFER CELLS
retinol metabolism and turnover in, (Sep)311
KWASHIORKOR
catch-up growth following, NC(May)173
identification of the syndrome, CL(May)176

LACTATION, BOVINE
adipose tissue metabolism during, (Oct)342
effect of bovine growth hormone on, (Apr)154
see also MILK, COW
LACTOBACILLI
an acetate-replacing factor for, CL(Oct)337
LACTOGENESIS
bovin adipose tissue metabolism during, (Oct)342
β-LACTOGLOBULIN
infant reactions to presence in human milk, (Apr)135
LARGE INTESTINE
complex vs simple carbohydrate breakdown, MSA(Feb)50
fermentation in, MSA(Feb)50
role of carbohydrates in function, MSA(Feb)50
see also FERMENTATION, COLONIC
LEAD TOXICITY
in kidney and brain, (Oct)347
LEGUMES
glycemic response to, MSD(Feb)82
lente carbohydrate qualities of, MSA(Feb)48
rate of digestion, MSA(Feb)48
LENGTH VELOCITY
and weaning of breast-fed infants, (May)168
LETTERS TO THE EDITOR
Bunce, GE, (Jun)219
Chandra, RK, (Aug)284
Clark, LC, (Jun)220
Combs, GF, (Jun)220
Donaldson, WE, (Jun)218
Dyerberg, J, (Sep)316
Filteau, SM, (Aug)283
Johnston, PV, (Sep)315
Olson, RE, (Jul)252
Roberts, DCK, (Jun)218
Samman, S, (Jun)218
Sann, L, (Jul)252
Solomons, NW, (Aug)284
Woodward, B, (Aug)283
LEUCINE
competition with amino acids in maple syrup urine disease, (Oct)331
effect of alanine on diets restricted in, (May)164
excess, pellagragenic effect of, (Jan)26
inhibition of hepatic uptake of tryptophan by, (Jan)26
LEUKOTRIENES
defined, (Apr)137
effect on inflammatory processes, (Apr)131, (Apr)137
LIGNIN
effect of alkaline H_2O_2 treatment on digestibility of, (Jul)251
LINGUAL ASCORBIC ACID TEST
as an indicator of vitamin C status, (Oct)328

LINOLEATE
proportion in acylglucosylceramide, (Nov)372
LINOLEIC ACID
epidermal water barrier maintenance and, (Apr)151
essentiality in trout, CL(Sep)306
essentiality, NC(Sep)301
structure, SA(Apr)126
see also ARACHIDONIC ACID
LINOLEIC ACID DEFICIENCY
following long-term TPN, NC(Sep)301
syndrome, SA(Sep)288
LINOLENIC ACID
atherosclerosis prevention and, SA(Apr)125
effect on cholesterol metabolism, (Apr)147
essentiality in trout, CL(Sep)306
essentiality, NC(Sep)301
metabolism of, LE(Sep)315
structure, SA(Apr)126
see also EICOSAPENTAENOIC ACID
LINOLENIC ACID DEFICIENCY
deficiency following long-term TPN, NC(Sep)301
LINSEED OIL
benefits as an n-3 fatty acid source, LE(Sep)315
effect on plasma lipids, SA(Apr)127
LIPID METABOLISM
pyridoxine deficiency and, (Oct)340
LIPIDS
effect of isotretinoin on, (Jun)196
levels and composition in infants and adults, (Oct)324
use in exercise, MSA(Feb)57
LIPOGENESIS
bovine, during lactation, (Oct)342
in hypertensive rats fed high cholesterol, (Jun)212
LIPOLYSIS
bovine, during lactation, (Oct)342
LIPOPROTEIN MEMBRANE INTEGRITY
and PUFA essentiality, SA(Jun)190
LIPOPROTEINS
effect of isotretinoin on, (Jun)196
levels and composition in infants and adults, (Oct)324
LIPOTROPES
liver cancer and, (Aug)278
LIVER
vitamin A repletion and, LE(Mar)121
LIVER CANCER *see* CANCER, LIVER
LIVER DISEASE
and prothrombin synthesis, (Jan)10
LIVER, PERFUSED
effect of free fatty acids on VLDL-triglyceride secretion in, (Apr)148
LIVESTOCK TOXICOSIS
and indolizidine alkaloids, SA(Oct)317
LOCOISM
Swainsona toxicosis and, SA(Oct)319
LONG-CHAIN TRIACYLGLYCEROLS
effect on protein retention in burn trauma, (Jan)19
LONGEVITY
modern diet and, MSA(Feb)42
LOW-FAT HIGH-CARBOHYDRATE DIETS
atherosclerotic cardiovascular disease and, MSA(Feb)65, MSD(Feb)90
non-insulin dependent diabetes mellitus and, MSA(Feb)65, MSD(Feb)90
LUNG ELASTIN
vitamin B_6 deficiency and, (Jan)24
LYSINE
vitamin B_6 deficiency and, (Jan)24
toxicity of alkaloids derived from, SA(Oct)317
LYSINURIC PROTEIN INTOLERANCE
defined, NC(Mar)110
clinical case of, NC(Mar)110

MACRONUTRIENTS
role in hedonic response to food, SA(Mar)97
MAIZE
kwashiorkor associated with, CL(May)176
MALNOURISHED PATIENTS
preoperative feeding of, (Jul)230
MALNUTRITION
catch-up growth following, SA(May)157, NC(May)173
dietary management following, NC(May)173
feeding during diarrhea, (Mar)102
preoperative, (Jul)230
see also MARASMUS; PROTEIN-CALORIE MALNUTRITION: STARVATION
MANNOSE
catalysis of transport, (Oct)345
MANNOSIDASE
inhibition by swainsonine, SA(Oct)317
MAPLE SYRUP URINE DISEASE
alanine-supplemented diets for, (May)164
mechanism of leucine damage in, (Oct)331
MARABOU SYMPOSIUM
discussion, (Feb)80
on the nutritional re-emergence of starchy foods, (Feb)38
opening remarks, (Feb)38
summary, (Feb)89
MARABOU SYMPOSIUM SPECIAL (SIGNED) ARTICLES
Ahrens, EH, "Carbohydrates, Plasma Triglycerides, and Coronary Heart Disease," (Feb)60
Cahill, FG, "The Future of Carbohydrates in Human Nutrition," (Feb)40
Cummings, JH, Englyst, HN, Wiggins, HS, "The Role of Carbohydrates in Lower Gut Function,"

(Feb)50
Jenkins, DJA, Jenkins, AL, Wolever, TMS, Thompson, LH, Venkat Rao, A, "Simple and Complex Carbohydrates," (Feb)44
Jéquier, E, "Carbohydrates: Energetics and Performance," (Feb)55
Reaven, GM, "Effect of Dietary Carbohydrate on the Metabolism of Patients with Non-insulin Dependent Diabetes Mellitus," (Feb)65
Wurzburg, OB, "Nutritional Aspects and Safety of Modified Food Starches," (Feb)74
MARASMUS
catch-up growth following, NC(May)173
thyroid dysfunction in, NC(Aug)270
MATERNAL DIET
essentiality of n-3 fatty acids in, SA(Sep)292
McCOLLUM INTERNATIONAL LECTURESHIP
Beaton, GH: "Toward Harmonization of Dietary, Biochemical, and Clinical Assessments: The Meanings of Nutritional Status and Requirements," SA(Nov)349
Widdowson, EM: "Animals in the Service of Human Nutrition," SA(Jul)221
MEDICAGO SATIVA
vitamin D-like activity in, SA(Jan)3
MEGALOBLASTIC ANEMIA
and impaired cobalamin metabolism, (Jul)236, NC(Jul)239
MEMBRANE INTEGRITY
and PUFA essentiality, SA(Jun)190
MEMBRANE TRANSPORT
of aromatic amino acids, (Nov)377
MENARCHAL TIMING
obesity and, SA(Dec)381
MENHADIN OIL
effect on plasma lipids, SA(Apr)129
MENTAL DEVELOPMENT
and impaired vitamin B_{12} metabolism, (Jul)236
in cobalamin E disease, (Jul)236, NC(Jul)239
MESSENGER RNA (mRNA)
transcription and PEPCK, (May)186
METAL-BINDING PROTEIN
renal and brain lead toxicity and, (Oct)347
METALLOENZYMES, COPPER
as indicators of copper bioavailability, (May)183
METARHIZIUM ANISOPLIAE
indolizidine alkaloid toxicity and, SA(Oct)317
METHIONINE
effect of alanine on diets restricted in, (May)164
METHIONINE DEFICIENCY
liver cancer and, (Aug)278
METHIONINE SYNTHETASE
cobalamin deficiency and, (Jul)236
METHIONINE:HOMOCYSTEINE CYCLE
pyridoxine deficiency and, (Oct)340
METHIONYL BOVINE SOMATOTROPIN (MBS)
effect on bovine lactation, (Apr)154
METHYL GROUPS
antitumorogenicity of, (Aug)278
METHYLMALONIC ACIDURIA
and impaired cobalamin metabolism, (Jul)236
MELVALONIC ACID
determination of structure, CL(Oct)337
MEVALONIC KINASE DEFICIENCY
cholesterol biosynthesis and, NC(Oct)334
MEXICO
breast-feeding and weaning in, (Mar)104
MICE, NEWBORN
acylglucosylceramide in, (Nov)372
MICROBIAL METABOLISM
and colonic fermentation, MSA (Feb)53
MILK, BREAST
see MILK, HUMAN
MILK, COW'S
breast milk vs, (Mar)103
phosphorus and secondary hyperparathyroidism in infants receiving, (Mar)107, LE(Jul)252
copper content, (May)183
zinc bioavailability of, (May)181
see also LACTATION, BOVINE
MILK FEVER
therapeutic use of *Solanum malacoxylon* for, SA(Jan)6
MILK, HUMAN
copper content, (May)183
cow's milk vs, (Mar)103
infant serum lipoproteins and, (Oct)324
immunoreactive bovine β-lactoglobulin in, (Apr)135
infant reactions to antigens in, (Apr)135
infant weight-length velocity and, (May)168
and vitamin E deficiency in preterm infants, (May)166
zinc bioavailability of, (May)181
MINERAL AVAILABILITY
starch processing and, MSD(Feb)83
MINERALS, TRACE
early animal experiments on, SA(Jul)225
see also specific minerals
MITOCHONDRIA
carnitine activity in, (Aug)277
MITOGENS
use in lymphocyte cultures, (Jul)245
MIXED-FUNCTION OXIDASE SYSTEM
and liver metabolism of capsaicin, (Jan)20
MONOCYTES
effect of EPA supplements on, (Apr)137
MOTHERS' PERCEPTIONS
influence of hospital's attitudes on, (May)170
mRNA *see* MESSENGER RNA
MUCUS
colonic fermentation substrate, MSA(Feb)51

MUSCLE PERFORMANCE
glycogen depleting and loading regimen, MSA(Feb)57
low-intensity, and lipids, MSA(Feb)57
types of fuel used for, (Feb)90, MSA(Feb)57
MUSCLES
effect of passive stretching on growth, SA(May)161

NEONATAL CHOLESTASIS
vitamin E deficiency and, (Aug)268
NEPHROSCLEROSIS
pelvic, role of modified starches in, MSA(Feb)77
senile, and increased protein intake, MSA(Feb)43
NEUROLOGIC DAMAGE
vitamin E deficiency and, (Aug)268
NEUROLOGIC FUNCTION
vitamin E deficiency and, (Aug)268
NEUROPATHY
capsaicin-induced, (Jan)20
NEUROPEPTIDES
effect on satiety, (Jul)228
NEUTRAL DETERGENT FIBER
effect of alkaline H_2O_2 treatment on digestibility of, (Jul)251
NEUTROPHIL
effect of EPA on, (Apr)137
NEW TITLES *see* BOOKS AND REPORTS
NIACIN
interaction with leucine in tryptophan metabolism, (Jan)26
NICOTINE
energy expenditure and, (Oct)330
NICOTINIC ACID *see* NIACIN
NITROGEN RETENTION
structured triacylglycerols and, (Jan)19
senile nephrosclerosis and, MSA(Feb)43
NONOXIDATIVE ETHANOL METABOLISM
extrahepatic organ injury and, (Oct)343
NOREPINEPHRINE
and glucose-induced postprandial thermogenesis, MSA(Feb)56
NOREPINEPHRINE FORMATION
role in transmembrane ascorbate shuttle, (Jul)248
NOTES *see* NUTRITION NOTES
NSP *see* POLYSACCHARIDES, NON-STARCH
NUTRIENT PARTITIONING
in lactating bovine growth hormone-treated cows, (Apr)154
NUTRITION CLASSICS
Bang, HO, Dyerberg, J, and Nielsen, AB: "Plasma Lipid and Lipoprotein Pattern in Greenlandic West-coast Eskimos," (Apr)143
David, CM: "Self Selection of Diet by Newly Weaned Infants," (Mar)114
Hamberg, M, Svensson, J, and Samuelsson, B: "Thromboxanes: A New Group of Biologically Active Compounds Derived from Prostaglandin Endoperoxides," (Jun)208
Harington, CR, and Barger, G: "Chemistry of Thyroxine: Constitution and Synthesis," (Aug)274
Hawkins, Sir Richard: "Voyage Into the South Seas," (Nov)370
McCollum, EV: "The Paths to the Discovery of Vitamins A and D," (Jul)242
O'Donnell, JM, and Smith, MW: "Vitamin D-like Action of *Solanum malacoxylon* on Calcium Transport by Rat Intestine," (Jan)16
Williams, CD: "A Nutritional Disease of Childhood Associated with a Maize Diet," CL(May)176
Wolf, DE, Hoffman, CH, Aldrich, PE, Skeggs, HR, Wright, LD, and Folkers, K: "Determination of Structure of β,δ-Dihydroxy-β-methylvaleric Acid," (Oct)337
Yu, TC, Sinnhuber, RO, and Hendricks, JD: "Reproduction and Survival of Rainbow Trout *(Salmo gairdneri)* Fed Linolenic Acid as the Only Source of Essential Fatty Acids," (Sep)306
NUTRITION NOTES
Invitation for Clinical Cases, (Nov)380
ISFE Prize 1987, (Sep)316
Meeting Announcements:
"EUROFOODS Conferences," (Nov)380
"First International Symposium on Adolescent Obesity," (Mar)124
"International Society for Trace Element Research in Humans," (Sep)316
"Malnutrition in the Critically Ill: An Advanced Course," (Jan)32
"Maternal and Child Nutrition," (Apr)156
"National Research Council Meeting," (Apr)156
"Nutrition and Pharmacological Treatment of Brain Tumors," (Mar)124
"Postgraduate Course of the American Society for Clinical Nutrition," (Oct)348
"Practical Topics in Pediatric Nutrition," (Aug)282
"Second International Congress on Diet and Nutrition," (Mar)124
"The Significance and Use of Diet and Exercise in the Treatment and Prevention of Noninsulin-dependent Diabetes Mellitus," (Sep)316
"Third International Symposium on Clinical Nutrition," (Oct)348
Postdoctoral Opportunities, (Jan)32, (Nov)380
Transfer to Springer-Verlag, (Sep)305
NUTRITIONAL ASSESSMENT
cut-offs in, SA(Nov)353
dietary, SA(Nov)351

by fat microbiopsy, (Jun)200
laboratory, SA(Nov)352
NUTRITIONAL HEALTH
definitions of, SA(Nov)350
NUTRITIONAL REQUIREMENTS
basal, SA(Nov)350
normative storage, SA(Nov)350
see also DIETARY GUIDELINES; RECOMMENDED DIETARY ALLOWANCES
NUTRITIONAL STATUS
preoperative, (Jul)230
NUTRITIONAL SUPPORT
preoperative, (Jul)230
OBESITY
and television viewing, (Jan)9
family-line factors in, SA(Dec)381
genetics vs environment and, (Jun)199
infant growth and, in Samoa, (Aug)265
insulin action in, (Nov)363
in low-income women, SA(Dec)381
menarchal timing and, SA(Dec)381
sensory-specific satiety and, SA(Mar)99
see also FATNESS
OCCLUSIVE ARTERIAL DISEASE
alanine-supplemented diets for, (May)164
OLEIC ACID
effect on liver VLDL-trigylceride secretion, (Apr)148
OLIGOSACCHARIDES
as colonic fermentation substrate, MSA(Feb)51
OMEGA-3 FATTY ACIDS *see* n-3 FATTY ACIDS
OMEGA-6 FATTY ACIDS *see* n-6 FATTY ACIDS
ORAL REHYDRATION THERAPY (ORT)
for children with diarrhea, (Mar)102

PALMITIC ACID
carnitine derivative inhibition of oxidation by, (Aug)277
PALMITOLYL-DL-AMINOCARNITINE
inhibition of carnitine acyltransferase, (Aug)277
PANCREATIC FUNCTION
vitamin D_3 and, (Nov)375
PANCREATITIS
hypertriglyceridemic, and dietary fat, MSD(Feb)87
PARENCHYMAL CELLS
retinol distribution and turnover in, (Sep)311
role in uptake and transport of retinol, (Jun)216
PARENTERAL NUTRITION
use of emulsified lipids for stressed patients, (Jan)19
see also TOTAL PARENTERAL NUTRITION
PARTURIENT PARESIS
therapeutic use of *Solanum malacoxylon* for, SA(Jan)6
PASSIVE MUSCLE STRETCHING
catch-up growth and, SA(May)162
PCM *see* PROTEIN-CALORIE MALNUTRITION
PELLAGRAGENIC EFFECT
of excess leucine, (Jan)26
of low niacin, (Jan)26
PEPCK *see* PHOSPHOENOLPYRUVATE CABOXYKINASE
PEPPERS, HOT
effect on sensory nervous system, (Jan)20
PHENYLALANINE
alanine-supplemented protein-restricted diets, for, (May)164
competition with amino acids in phenylketonuria, (Oct)331
PHENYLKETONURIA (PKU)
mechanisms of phenylalanine damage in, (Oct)331
PHOSPHOLIPIDS
arachidonate in, during EFA deficiency, (Jun)213
PHOSPHATE, ORGANIC
effect of fluoride on, in various species, (Aug)281
PHOSPHATIDIC ACID
mannose transfer to, (Oct)345
PHOSPHATIDYL CHOLINE
pyridoxine deficiency and, (Oct)340
PHOSPHATIDYLETHANOLAMINE
pyridoxine deficiency and, (Oct)340
PHOSPHATIDYLMANNOSE
biosynthesis of, (Oct)345
PHOSPHODIESTERASE
and mannose transfer, (Oct)345
PHOSPHOENOLPYRUVATE CARBOXYKINASE (PEPCK)
hormonal regulation of, (May)186
PHOSPHOLIPID METHYLATION
pyridoxine deficiency and, (Oct)340
PHOSPHOLIPIDS
concentration of n-3 fatty acids in, SA(Sep)286
in the brain, SA(Sep)286
phosphatidylmannose and retinylphosphate, (Oct)345
retinal, photoreceptor outer segments, SA(Sep)286
PHOSPHORUS
and hyperparathyroidism in infants receiving humanized cow's milk formula, (Mar)107, LE(Jul)252
and zinc deficiency-induced cataracts in salmon, (Mar)118
PHYSICAL ACTIVITY *see* EXERCISE
PHYTATE
and zinc deficiency-induced cataracts in salmon, (Mar)118
PHYTIC ACID
effect on degradation of carbohydrates, MSD(Feb)83

effect on mineral availability, MSD(Feb)84
and zinc deficiency-induced cataracts in salmon, (Mar)118
PICOLINATE
zinc absorption and, (May)181
PIGEON EXPERIMENTATION
historically important, SA(Jul)221
see also ANIMAL EXPERIMENTATION
PITUITARY FUNCTION
and eicosanoid synthesis, SA(Jun)193
PKU *see* PHENYLKETONURIA
PLASMA
ascorbic acid levels vs salivary and lingual levels, (Oct)328
PLASMA GLUCOSE
effect of carnitine derivatives on, (Aug)277
PLASMA LIPIDS
fish oils and, in Eskimos, CL(Apr)143
see also CHOLESTEROL; TRIGLYCERIDES
PLASMA PROTEINS
preoperative, (Jul)230
PLATELET FUNCTION
effect of EPA on, SA(Apr)129
POLYOXYACYLCERAMIDES
role in maintenance of epidermal water barrier, (Apr)151
POLYSACCHARIDES, NON-STARCH
as colonic fermentation substrate, MSA (Feb)51
cellulosic vs non-cellulosic, MSA(Feb)51
factors affecting colonic breakdown, MSA(Feb)51
intake in Western diet, MSA(Feb)52
POLYUNSATURATED FATTY ACIDS (PUFAs)
essentiality of, SA(Jun)189
n-3 *see* n-3 FATTY ACIDS
n-6 *see* n-6 FATTY ACIDS
omega-3 *see* n-3 FATTY ACIDS
omega-6 *see* n-6 FATTY ACIDS
see also names of specific PUFAs
POSTOPERATIVE MORTALITY
effect of preoperative total parenteral nutrition on, (Jul)230
POSTPRANDIAL THERMOGENESIS *see* THERMOGENESIS, POSTPRANDIAL
POSTTEST DIET
effect on results of iron absorption tests, (Jan)22
POTASSIUM
effect of fluoride on, in various species, (Aug)281
PREALBUMIN *see* TRANSTHYRETIN
PREGNANCY
isotretinoin taken during, (Sep)297
see also FETAL ALCOHOL SYNDROME
PREMATURE AGING
vitamin E deficiency and, (Nov)374
PREOPERATIVE MALNUTRITION
effect of nutritional support on, (Jul)230
PRETERM INFANTS
vitamin A levels in, (Jun)202
vitamin E deficiency in, (May)166
PRETEST DIET
effect on results of iron absorption tests, (Jan)22
PROGRESSIVE SYSTEMIC SCLEROSIS (PSS)
malnutritional EFA deficiency with, NC(Sep)301
PROPIONATE METABOLISM
defective, carnitine therapy of, (Jul)232
PROPIONIC ACIDEMIA
alanine-supplemented protein-restricted diets for, (May)164
PROSTAGLANDIN METABOLISM
effect of fish oil on, NC(Jun)205
PROSTAGLANDINS
eicosanoids and, SA(Jun)192
EPA synthesis and, (Apr)137
PROTEIN
as colonic fermentation substrate, MSA(Feb)50
dietary recommendations for, (Feb)39
deposition, energetics of, SA(May)157
limitation of, MSA(Feb)52
requirements for catch-up growth, SA(May)157
starch interactions with, MSD(Feb)84
PROTEIN RETENTION
effect of structured triacylglycerols on, (Jan)19
in burn trauma, (Jan)19
value of emulsified lipids for, (Jan)19
PROTEIN-CALORIE MALNUTRITION (PCM)
thyroid dysfunction in, SA(Aug)252, NC(Aug)270
wet, first report of, CL(May)186
PROTHROMBIN, ABNORMAL
and vitamin K deficiency, (Jan)10
PUFAs *see* POLYUNSATURATED FATTY ACIDS
PYRIDOXAL PHOSPHATE
regulation of corticosteroid enzyme induction by, (Jul)247
PYRIDOXINE *see* VITAMIN B_6

RABBIT
effect of fluoride on plasma electrolytes and metabolites in, (Aug)281
RADIOIMMUNOASSAY
as a marker for vitamin K deficiency, (Jan)10
RAINBOW TROUT
essentiality of EFA in, CL(Sep)306
RAT
copper bioavailability in, (May)183
effect of fluoride on plasma electrolytes and metabolism in, (Aug)281
triacylglycerols for burn trauma in, (Jan)19
RAT EXPERIMENTATION
historically important, SA(Jul)222
McCollum's use of, CL (Jul)222
see also ANIMAL EXPERIMENTATION
RAT FETUS
flavin adenine dinucleotide synthesis in,

(May)179
immunoneutralization of maternal riboflavin carrier protein and, (May)179
RBP *see* RETINOL-BINDING PROTEIN
RCP *see* RIBOFLAVIN CARRIER PROTEIN
RECOMMENDED DIETARY ALLOWANCES (RDA)
revision of, SA(Nov)349, SA(Nov)357
vitamin A, LE(Mar)122
see also DIETARY GUIDELINES
RED BLOOD CELLS *see* ERYTHROCYTES
RELATIVE DOSE RESPONSE
and plasma retinol measurement, LE(Mar)121
RENAL ARACHIDONATE
response to EFA deficiency, (Jun)213
REPRODUCTIVE TISSUES
fatty acid essentiality and, SA(Jun)194
RETINA
essentiality of n-3 fatty acids in, SA(Sep)286, SA(Sep)288, NC(Sep)304
RETINOIC ACID
teratogenicity and, (Sep)297
RETINOIDS
effect on plasma lipids and lipoproteins, (Jun)196
RETINOL *see* VITAMIN A
RETINOL TURNOVER
hepatic and extrahepatic, (Sep)311
RETINOL-BINDING PROTEIN (RBP)
role in hepatic retinol metabolism and turnover, (Sep)311
uptake and release of retinol by, (Jun)216
RETINYL ESTERS
hepatic and extrahepatic distribution and turnover, (Sep)311
storage in stellate cells, (Jun)216
RETINYLPHOSPHATE
role in mannose transfer, (Oct)345
RETINYLPHOSPHATE MANNOSE
biosynthesis of, (Oct)345
identification as phosphatidylmannose, (Oct)345
RHIZOCTONIA LEGUMINICOLA
indolizidine alkaloid toxicity and, SA(Oct)317
RHODOPSIN
docosahexaenoic acid phospholipids and, SA(Sep)286
RIBOFLAVIN CARRIER PROTEIN (RCP)
effect on flavin adenine dinucleotide synthesis in rats, (May)179
RICKETS
early animal experiments on, SA(Jul)222

SAFE RANGE OF INTAKE, SA (Nov) 356
SALIVA
as an indicator of vitamin C status, (Oct)328
SALIVARY ASCORBATE
as an indicator of vitamin C status, (Oct)328
SALMON
zinc deficiency-induced cataracts in, (Mar)118
SAM *see* S-ADENOSYLMETHIONINE
SAH *see* S-ADENOSYLHOMOCYSTEINE
SAMOA
infant growth and obesity in, (Aug)265
SATIETY
role of ileal receptors in, (Jul)228
SATIETY, COGNITIVE
wear-out and, SA(Mar)99
SATIETY, SENSORY-SPECIFIC
alliesthesia vs, SA(Mar)95
characteristics of, SA(Mar)96
defined, SA(Mar)95
mechanisms of, SA(Mar)100
monotony and, SA(Mar)99
in newly weaned infants, (Mar)114
nutritive vs non-nutritive foods and, SA(Mar)96
specificity of, SA(Mar)96
variety and, SA(Mar)97
SCURVY
citrus treatment and prophylaxis, early experience, CL(Nov)370
early animal experiments on, SA(Jul)222
experimental case, NC(Jan)13
Korsakoff syndrome with, (Nov)366
SELENIUM
cancer risk and, LE(Jun)219
SEMIDEHYDROASCORBATE
role in transmembrane ascorbate shuttle, (Jul)248
SENESCENT CELL ANTIGEN
vitamin E and, (Nov)374
SENILE NEPHROSCLEROSIS
nitrogen-protein intake and, MSA(Feb)43
SENSORY NERVOUS SYSTEM
effect of capsaicin on, (Jan)20
SHEEP
digestibility of alkaline H_2O_2-treated lignified fibers by, (Jul)251
SKIN
EFA and water barrier maintenance, (Apr)151
production of 1,25-dihydroxyvitamin D_3 and, (Sep)299
SLAFRAMINE
Rhizoctonia leguminicola and, SA(Oct)318
slobbers and, SA(Oct)318
SLOBBERS
slaframine toxicosis and, SA(Oct)317
SMOKING
energy expenditure and, (Oct)330
SNACKING
and obesity in television viewers, (Jan)9
SOCIOECONOMIC STATUS
and obesity, SA(Dec)381
SODIUM

excess in infants fed cow's milk, (Mar)103
SOLANUM MALACOXYLON
calcinosis in cattle and, SA(Jan)1
effect on calcium uptake, CL(Jan)16
as a source of vitamin D_3 metabolites, SA(Jan)1
vitamin D-like action of, CL(Jan)16
SOLANUM TORVUM
vitamin D-like activity in, SA(Jan)3
SOLANUM VERBASCIFOLIUM
vitamin D-like activity in, SA(Jan)3
SOMATOMEDINS
bovine growth hormone and, (Apr)154
SOMATOSTATIN
immunization against and bovine milk production, (Apr)154
SOMATOTROPIN *see* GROWTH HORMONE
SOY-PROTEIN ISOLATE
effect on iron absorption, (Jan)22
SPECIAL (SIGNED) ARTICLES
Ashworth, A, and Millward, DJ: "Catch-up Growth in Children," (May)157
Beaton, GH: "Toward Harmonization of Dietary, Biochemical, and Clinical Assessments: The Meanings of Nutritional Status and Requirements," (Nov)349
Boland, RL: "Plants as a Source of Vitamin D_3 Metabolites," (Jan)1
Broquist, HP: "Livestock Toxicosis, Slobbers, Locoism, and the Indolizidine Alkaloids," (Oct)317
Dyerberg, J: "Linolenate-derived Polyunsaturated Fatty Acids and Prevention of Atherosclerosis," (Apr)125
Garn, SM: "Family-line and Socioeconomic Factors in Fatness and Obesity," (Dec)381
Ingenbleek, Y: "Thyroid Dysfunction in Protein-Calorie Malnutrition," (Aug)253
Lands, WEM, "Renewed Questions about Polyunsaturated Fatty Acids," (Jun)189
Neuringer, M, and Connor, W: "n-3 Fatty Acids in the Brain and Retina: Evidence for Their Essentiality," (Sep)285
Rolls, BJ: "Sensory-specific Satiety," (Mar)93
Widdowson, EM: "Animals in the Service of Human Nutrition," (Jul)221
SPECIAL REPORT
"A Proposition: Megadoses of Vitamin C Are Valuable in the Treatment of Cancer," (Jan)28
SPECIES DIFFERENCES
nutritional, SA(Jul)225
SPOTTED LOCOWEED
indolizidine alkaloid toxicity and, SA(Oct)318
STARCH
effect of α-amylase on, MSA(Feb)53
hepatic and extrahepatic metabolism, (Sep)311
effect on large intestine function, MSA(Feb)53
small intestinal digestion of, MSA(Feb)53
see also CARBOHYDRATES, COMPLEX
STARCHES, MODIFIED
crosslinked, MSA(Feb)74
mineral availability and, MSD(Feb)83
monosubstituent groups in, MSA(Feb)76,
new methods, MSD(Feb)81
nutritional aspects of, MSA(Feb)74, MSD(Feb)91
pelvic nephrosclerosis in rats and, MSA(Feb)77
toxicity, MSA(Feb)77
STARVATION
human vs animal, SA(Jul)222
see also MALNUTRITION
STELLATE CELLS
retinol distribution and turnover in, (Sep)311
role in uptake and storage of retinol, (Jun)216
STRUCTURED TRIACYLGLYCEROLS
effect on protein retention in burn trauma, (Jan)19
SUBSTANCE P
depletion by capsaicin, (Jan)20
SUCROSE
effect on non-insulin dependent diabetes mellitis, MSA(Feb)65
see also CARBOHYDRATES, SIMPLE
SUGARS *see* CARBOHYDRATES, SIMPLE
SUGARS, NON-ABSORBED
bacterial metabolism of, MSA(Feb)52
effect on large bowel function, MSA(Feb)52
fecal water output and, MSA(Feb)52
SUPPLEMENTAL INFANT FEEDING
infant weight-length velocity and, (May)168
hospital modeling and maternal attitudes, (May)170
with maize, kwashiorkor following, CL(May)176
see also INFANT FEEDING
SUPPLEMENTS
breast-feeding, (Mar)104
see also INFANT FORMULA
SURGERY, GASTROINTESTINAL
nutritional support preceding, (Jul)230
SWAINSONA CANESCENS
indolizidine alkaloid toxicity and, SA(Oct)318
SWAINSONINE
glycoprotein assembly and, SA(Oct)319
locoism and, SA(Oct)319
mannose and, SA(Oct)319
Rhizoctonia leguminicola and, SA(Oct)317
SWEDISH NUTRITION FOUNDATION, (Feb)33

TEENAGED MALES
food fluoride consumption of, (Jul)233
TELEVISION
obesity and, (Jan)9
TERATOGENICITY
of alcohol and low zinc, (Nov)359
isotretinoin-induced, (Sep)297

TEST MEAL
casein vs soy-protein isolate, (Jan)22
iron absorption and, (Jan)22
TETANY, HYPOCALCEMIC
in infants fed humanized cow's milk formula, (Mar)107
THERMOGENESIS, POSTPRANDIAL
effect of β-blockers on, MSD(Feb)56, MSD(Feb)85
glucose-induced, MSA(Feb)55
glucose-insulin infusion and, MSA(Feb)55
sympathetic nervous system and, MSA(Feb)56
THINNESS
genetics vs environment and, (Jun)199
see also FATNESS; OBESITY
THIOL GROUPS
role of zinc in enzyme regulation and production of, (Sep)309
THROMBOXANES
discovery of, CL(Jun)208
role in platelet aggregation, CL(Jun)208
THRONE-HOLST FOUNDATION OF SCIENTIFIC RESEARCH AWARD PRESENTATION, (Feb)38
THYROID DYSFUNCTION
in protein-calorie malnutrition, SA(Aug)253, NC(Aug)270
long- and short-term consequences, SA(Aug)259, NC(Aug)270
THYROID HORMONE
effect on PEPCK, (May)186
THYROID-STIMULATING HORMONE
protein-calorie malnutrition and, NC(Aug)270
THYROIDECTOMY
mRNA-PEPCK transcription following, (May)186
THYROXINE
constitution and synthesis of, CL(Aug)274
TOCOPHEROL *see* VITAMIN E
TODDLERS
food fluoride consumption of, (Jul)233
TOTAL PARENTERAL NUTRITION (TPN)
essential fatty acid deficiency associated with, NC(Sep)301
preoperative, benefits of, (Jul)230
TOXICOSIS
livestock, SA(Oct)317
Swainsona, SA(Oct)318
TPN *see* TOTAL PARENTERAL NUTRITION
TRACE ELEMENTS *see* MINERALS, TRACE
TRANSCOBALAMIN I, II, III
genetic defect in cobalamin transport by, (Jul)236
TRANSCRIPTION RATE
mRNA-PEPCK, (May)186
TRANSPORT SYSTEMS A AND L
and phenylalanine in phenylketonuria, (Oct)331
TRANSTHYRETIN
role in hepatic retinol metabolism and turnover, (Sep)311
uptake and release of retinol by, (Jun)216
TRIACYLGLYCEROLS
effect on protein retention in burn trauma, (Jan)19
TRIGLYCERIDES
effect on VLDL-triglyceride secretion, (Apr)148
in Eskimos, CL(Apr)143
fish oils and, CL(Apr)143
as indicators of carbohydrate-fat conversion, MSD(Feb)86
in infants and adults, (Oct)324
isotretinoin and, (Jun)196
see also HYPERTRIGLYCERIDEMIA
TRISETUM FLAVESCENS
vitamin D-like activity in, SA(Jan)3
TROUT
essentiality of EFA in, CL(Sep)306
TRYPTOPHAN METABOLISM
effect of excess leucine on, (Jan)26
TWINS
obesity in, SA(Dec)381
TYROSINE AMINOTRANSFERASE
pyridoxal phosphate regulation of, (Jul)247

ULCERATIVE COLITIS
vitamin K deficiency in, (Jan)10
URATE
effect of fluoride in various species, (Aug)281
UREA
effect of fluoride on in various species, (Aug)281
UREA CYCLE
in lysinuric protein intolerance, NC(Mar)110
US NUTRITION FOUNDATION AND INTERNATIONAL LIFE SCIENCES INSTITUTE, (Feb)33

VALINE
effect of alanine on diets restricted in, (May)164
VEGETABLE OILS
effect on familial combined hyperlipidemia, NC(Apr)140
see also specific oils
VERY-LOW-DENSITY LIPOPROTEINS (VLDL)
effect of free fatty acids on liver secretion of, (Apr)148
transport of carbohydrate calories to adipose tissue by, MSD(Feb)86
VISUAL ACUITY
fatty acid essentiality and, SA(Jun)194
VITAMIN A
early animal experiments on, SA(Jul)224
hepatic and extrahepatic metabolism, (Sep)311
liver uptake, distribution, and esterification of, (Jun)216
McCollum's discovery of, CL(Jul)242,

SA(Nov)349
nutritional requirement, LE(Mar)122
see also RETINOL *headings*
VITAMIN A DEFICIENCY
childhood blindness and, LE(Mar)121
mannose uptake and, (Oct)345
plasma values as indicators of, LE(Mar)121
in preterm infants with bronchial dysplasia, (Jun)202
repletion schedule, LE(Mar)121
VITAMIN B
early animal experiments on, SA(Jul)224
VITAMIN B_6 DEFICIENCY
lipid metabolism and, (Oct)340
phospholipid methylation and, (Oct)340
VITAMIN B_{12} DEFICIENCY
due to genetically impaired cobalamin metabolism, NC(Jul)239
VITAMIN B_{12} METABOLISM
genetic defects of, (Jul)236
conversion to coenzyme forms, NC(Jul)240
see also COBALAMIN *headings*
VITAMIN C
recommended dietary allowance, NC(Jan)14
role in adrenal catecholamine formation, (Jul)248
salivary and lingual tests of, (Oct)328
scurvy and, NC(Jan)14, CL(Nov)370
VITAMIN C MEGADOSES
debate on use as cancer therapy adjunct, SR(Jan)28
discontinuation effect, SR(Jan)28
dosage, SR(Jan)29
VITAMIN D
early animal experiments on, SA(Jul)224
epidermal production of, (Sep)299
McCollum's discovery of, CL(Jul)242, SA(Nov)349
transmembrane transport study using cell cultures, (Jul)245
VITAMIN D INTOXICATION
from *Solanum malacoxylon*, CL(Jan)16
in grazing cattle, CL(Jan)16
VITAMIN D_3
insulin secretion and, (Nov)375
synthesis and possible function in plants, SA(Jan)1
VITAMIN D_3-RELATED COMPOUNDS
occurrence in plants, SA(Jan)1
VITAMIN DEFICIENCY
animal experiments on, SA(Jul)222
VITAMIN E DEFICIENCY
erythrocytes survival and, (Nov)374
in premature infants, (May)166
neonatal cholestasis and, (Aug)268
neurologic dysfunction and, (Aug)268
VITAMIN K DEFICIENCY
abnormal prothrombin as a marker for, (Jan)10
in chronic gastrointestinal disorders, (Jan)10
VITAMIN K EPOXIDE
and prothrombin synthesis, (Jan)10
VLDL *see* VERY-LOW-DENSITY LIPOPROTEINS

WARFARIN
effect on vitamin K-dependent prothrombin synthesis, (Jan)10
WEANING
Mexican and US principles, (Mar)104
WEAR-OUT
cognitive satiety and, SA(Mar)99
WEIGHT VELOCITY
in Samoan infants, (Aug)265
and weaning in breast-fed infants, (May)168
WESTERN DIET
carbohydrate intake in, MSD(Feb)80, (Feb)89
cellulose intake in, MSD(Feb)80

YELLOW-FAT DISEASE
n-3 fatty acids and, (Apr)132

ZINC
copper bioavailability and, (May)183
effect of megadoses on immunity, LE(Aug)283
role in enzyme regulation and protection of thiol groups, (Sep)309
ZINC ABSORPTION
casein and, (May)181
citrate and, (May)181
picolinate and, (May)181
ZINC BIOAVAILABILITY
of human and cow's milk, (May)181
ZINC DEFICIENCY
and cataracts in salmon, (Mar)118
fetal alcohol syndrome and, (Nov)359

Diet and Behavior: A Multidisciplinary Evaluation

Author Index

PP: Presented Paper

Abdul-Ghani, AS, 24
Abelin, T, 203
Aber, GM, 24
Abikoff, H, 144
Abita, JP, 11
Abraham, SF, 86
Abrahamson, D, 131
Abramson, JH, 50
Abt, LA, 70
Achem-Karam, S, 184
Achenbach, TM, 143, 236
Adam, K, 73, 203
Adamo, D, 144
Adams, A, 131
Adams, AJ, 60, 69, 150, 158
Adams, HE, 143
Adams, J, 193
Adams, RD, 15, 111
Adamson, L, 236
Aghajanian, GK, 121
Agnati, LF, 87
Agren, H, 121
Ahlfors, UG, 60, 87
Ahmed, M, 51
Ahokas, AJ, 171
Ainsworth, MDS, 235, 236
Al-Midani, H, 224
Albala, AA, 87
Alberto, R, 112
Aldridge, A, 241
Alexander, F, 204
Alfin-Slater, PB, 223
Alino, JJ, 121
Alkus, SR, 144
Allegrini, M, 213
Alltop, LB, 121
Als, H, 77, 236
Altesman, RI, 6
Altschuler, KZ, 86
Amédée-Manesme, O, 224
Anders, T, 77
Andersen, A, 86
Andersen, AE, 24, 86, 175
Anderson, D, 224
Anderson, GE, 192
Anderson, GH, 5, 11, 15, 36, PP42, 50, 184, 223, 253, 254
Anderson, HL, 184
Anderson, JA, 111
Anderson, LA, 50
Andrulonis, PA, 157
Annable, L, 121
Annest, JL, 41
Antener, I, 120
Aoki, S, 103
Aoki, TT, 86
Aquilonius, SM, 24
Aranda, JV, 241
Araujo, RC, 224
Arcasoy, A, 41
Argenzio, RA, 184
Armelagos, G, 175
Arnold, LE, 144
Arthur, RS, 223
Asberg, M, 60, 87, 121, 103
Asch, M, 94
Ash, ME, 192
Ashcroft, GW, 36, 60, 120, 121
Ashkenazi, R, 41
Ashley, DV, 5, 36, 184, 203, 204
Aspin, N, 41
Atkins, FM, PP104, 111, 112
Atkinson, RM, 87
Avery, GS, 36
Avins, L, 24
Ayuso-Gutierrez, JL, 121

Baer, K, 171
Baerlocker, KE, 24
Bailey, J, 241
Baine, WB, 111
Baker, DH, 184
Baker, DJ, 132
Baker, EM, 223
Baker, GL, 24, 77
Baker, JP, 223
Baker, M, 121
Ballard, LD, 150
Ballenger, JC, 88, 103, 121
Ballus, C, 103
Balogh, M, 223
Bancroft, TA, 250
Bandura, A, 236
Barbeau, A, 5, 24, 204
Barcai, A, 85
Barchas, J, 69
Barchas, JD, 77
Barches, J, 11
Barclay, DV, 203
Barg, DC, 224
Barker, LM, 50
Barkley, RA, 143, 158
Baron, RA, 236
Barrett, DE, PP224, 235, 236
Barrett, JE, 86
Bartko, J, 162
Bartus, RT, 203, 204
Baumann, CA, 184
Baycu, T, 41
Bazzarre, TL, 213
Beal, VA, 50, 223
Beals, TL, 50
Bean, NJ, 36
Beaton, GH, 50, 213, 223
Beck, AT, 122
Beecher, HK, 112
Beer, B, 204
Behar, D, 60, 69, 131, 150, 158, 162
Beirne, E, 11
Beisel, WR, 51
Bell, TD, 241
Bellissmo, DB, 36
Ben-Shachar, D, 41
Ben-Tovim, DI, 85
Benevenga, NJ, 184
Benezech, M, 103, 121
Benkovic, S, 11
Bennett, CM, 51

Bentley, SJ, 112
Benton, D, 103
Berendes, HW, 77
Berg, C, 131, 150, 162
Berg, CJ, 60, 69, 150, 158
Berger, M, 85
Berger, PA, 6
Berger, RJ, 60
Berken, GH, 88
Berkson, J, 250
Bermond, P, 223
Bernasconi, S, 87
Berndt, DJ, 86
Berne, RM, 24
Bernsohn, J, 120
Berry, HK, 193
Berstein, M, 112
Bertilsson, L, 87, 103, 121
Betz, AL, 24
Beumont, PJ, 85, 86
Bialk, O, 157
Bianchi, R, 157
Bick, KL, 184
Bickerman, HA, 171
Biebuyck, JF, 23, 24
Biederman, J, 86
Biegon, A, 60
Biel, WC, 192
Bieri, JG, 184
Bierkamper, GG, 5, 204
Bierman, CW, 112
Biggio, G, 122
Bilfoe, DD, 24
Binek-Singer, P, 23
Bioulac, B, 103, 121
Bird, CE, 103
Bjerner, B, 171
Blackburn, IM, 204
Blackwood, UB, 41
Blake, MJF, 171
Blamberg, DL, 41
Blanchard, RA, 223
Bland, RC, 87
Blavet, N, 88
Blehar, MC, 236
Bleiberg, M, 245
Block, G, 213, 223
Bloom, LM, 11
Bloom, SR, 51
Blouin, AG, 143, 171
Bloxam, DL, 41
Blundell, JE, 86, 184, 204
Blusztajn, JK, 11, 24
Bock, SA, 111, 112
Boireau, A, 121
Bolger, PM, 245
Bolstad, OD, 236
Bolton, R, 103
Bolwig, TG, 24
Bonatie, M, 70
Bourgoin, S, 121
Bouvet, W, 171
Bovet, D, 203
Bovet-Nitti, F, 203
Bovill, DA, 103
Box, G, 132
Bradbury, M, 15
Bradwein, J, 121
Brady, HM, 24
Brain, PF, 103
Brajkovich, WR, 94
Branchey, L, 87
Branchey, M, 87
Braun, LD, 24
Braunwald, E, 111
Brazelton, TB, 236
Bremner, K, 111
Bresnitz, EA, 70
Brewer, GJ, 41
Brewer, MB, 50
Brewerton, TD, PP78, 87
Briggs, GM, 184
Brigham, P, 73
Brightman, MW, 23
Brinkman, S, 204
Brinkmann, W, 85
Brittenham, GM, 51
Broadus, A, 24
Brodie, HKH, 121
Brogden, RN, 36
Bronner, F, 41
Brook, RH, 212
Brown, G, 162
Brown, GL, 87, 103, 121
Brown, M, 157
Brown, MJ, 41
Brozek, J, 86, 235, 236
Bruce, A, 60, 87
Bruch, H, 85, 87
Bruckwick, EA, 11
Brunner, RL, 192, 193
Buchsbaum, M, 162
Buchsbaum, MS, 50, 70, 103, 150, 158
Buchsbaum, S, 24
Buckingham, RL, 73
Buckley, J, 111
Buelke-Sam, J, 193
Bugge, JF, 60
Bunney, B, 11
Bunney, W, 162
Bunney, WE, 87, 103, 121, 150
Bunney, WE, Jr, 121
Burk, MC, 213
Burk, RF, 223
Burke, BS, 223
Burroughs, J, 85
Burrows, GD, 120
Buss, AH, 121, 122
Butcher, R, 245
Butcher, RE, 192, 193
Butrum, R, 223
Bye, CE, 70
Byerley, WF, 88
Byers, RK, 41

Cahill, GF, 86
Cahill, GF, Jr, 25
Caine, ED, 150
Cairns, RB, 236
Caldwell, DF, 77
Calhoun, KS, 143
Calkins, BM, 223
Calloway, DH, 223
Camerini-Davalos, RA, 77
Campbell, D, 132
Campbell, I, 86
Campbell, IC, 121
Campbell, SB, 50
Campbell, TC, 88
Campos, F, 224
Canham, JE, 223
Cantwell, DP, 85
Carlsson, A, 5, 60, 120, 203
Carlton, J, 36
Carney, JM, 241
Carney, MW, 88
Carpenter, CJ, 86
Carpenter, D, 77
Carroll, BJ, 87, 204
Caruso, KA, 88
Casper, RC, 85, 86
Cavdar, AO, 41
Ceder, G, 24
Cespuglio, R, 203
Chadwick, D, 60
Chai, H, 241
Chambers, CA, 121
Chamove, AS, 60
Chang, KC, 241
Chang, N, 11
Chapman, AG, 23
Charney, DS, 87
Chase, TN, 120
Chauffard, FA, 203
Chavez, A, 236
Chen, EH, 73
Chernick, DA, 70

Chien, CP, 77
Chin, FT, 157
Chouinard, G, 121
Christensen, DE, 143
Christensen, HN, 24
Christiansen, N, 236
Christie, JE, 204
Christie, MJ, 171
Christopher, J, 144
Chua, YY, 111
Chuaqui, P, 204
Chun, R, 157
Chung, R, 73, 77
Chung-Hwang, E, 23
Churchill, JA, 77
Ciminero, AR, 143
Clancy, J, 77
Clark, AW, 204
Clark, WG, 15
Clarkson, TW, 41
Cleeland, CS, 157
Clement, J, 236
Clody, DE, 5
Clubley, M, 70
Cobb, JA, 144
Coble, PA, 88
Coburn, JW, 41
Codaccioni, JL, 223
Cohen, BM, 6
Cohen, EL, 5, 23
Cohen, J, 50
Cohen, MP, 184
Colburn, T, 162
Cole, HS, 77
Cole, J, 73
Cole, P, 77
Collins, BE, 144
Collins-Williams, C, 112
Colmenares, JL, 5
Colquhoun, P, 171
Colquhoun, WP, 171
Combs, GF, 41
Condon, R, 171
Conlay, LA, 5, 241
Conn, AR, 24
Conners, CK, 50, 132, 143, 150, 157, 171, 175, 245
Contois, JH, 158
Cook, JD, 223
Cook, T, 132
Coon, J, 175
Cooper, A, 132
Cooper, AJ, 60, 88, 121
Cooper, PJ, 86
Cooper, SJ, 204
Copeland, PM, 86
Coppen, A, 60, 86, 121
Corbett, WT, 223
Corey, P, 50, 213
Corkin, S, 6, 60, 69, 77, 87, 121
Cornblath, M, 60, 69, 131, 150, 158
Cornblatt, B, 158
Cornford, EM, 23, 24
Corsini, GU, 122
Coscina, DV, 88, 175
Cosman, MP, 175
Cossack, ZT, 41
Costa, JL, 86, 121
Costello, AJ, 143
Cott, A, 132
Cotzias, GC, 69, 203
Coulter, JD, 77
Cousins, M, 50, 213
Cowell, C, 223
Cowen, MA, 60
Cox, C, 157
Coyle, JT, 204
Cozolino, L, 5, 50, 60, 69, 86, 171
Craig, A, PP163, 171, 254
Craighead, LW, 87
Cram, DM, 157
Crane, PD, 24
Crano, WD, 50
Cravens, J, 73
Crawford, SE, 112
Crawford, TB, 36, 120
Cremer, JE, 24
Cresto, JC, 157
Crisp, AH, 85, 86
Crone, C, 23, 24
Cronk, CE, 223
Crook, WG, 112, 150, 192
Crosby, WH, 223, 224
Croseley, AP, 204
Cruikshank, WW, 122
Cummings, MG, 24
Cummings, SW, 121
Cunningham, VJ, 24
Cunningham-Rundles, S, 223
Curnish, RR, 24
Curtis, GC, 204
Curzon, G, 60, 87, 103, 121, 203

D'Asaro, B, 131
Dalessandro, M, 87
Dally, P, 85
Dally, PJ, 88
Damstra, T, 192
Danks, DM, 41
Darby, PL, 175
Darby, WJ, 175
Daszuta, A, 203
Davenport, Y, 88
Davids, A, 143
Davidson, CS, 5, 51
Davidson, J, 88
Davidson, JR, 88
Davies, BM, 204
Davies, RF, 36
Davis, AR, 212
Davis, D, 121
Davis, JM, 85, 86
Davis, K, 6
Davis, KL, 6
Davison, HM, 112
Dawson, SL, 41
Day, J, 41
Day, JH, 112
Dean, RL, III, 204
DeCarli, LM, 193
DeFeudis, FV, 88
De Garine, I, 175
de Guerrero, AM, 223
del Guidice, J, 15
d'Elia, G, 88, 121
de Haan, S, 121
De LaVergne, PM, 88
Delon, MR, 204
deMajo, SF, 157
Demas, TJ, 241
Dement, W, 70
Dencker, SJ, 60, 87
Dennis, BH, 213
Denny, F, 245
DeParedes, B, 236
De Ramos, M, 50, 213
Dervish, G, 41
Desmond, PV, 241
Dettbarn, WD, 5
de Vavarro, L, 236
deVigne, JP, 88
Dewart, D, 77
Dews, P, 69
Dews, PB, 69, 70, 184, 241, PP246, 250, 251, 254
Dibble, ED, 86
Diekema, KA, 24
Diekmann, A, 171
Diemer, NH, 24
Digman, L, 5, 50, 60, 69, 86, 171
DiMascio, A, 86, 88
Diseker, RA, 223
Dixon, KN, 86
Dobkin, J, 24
Doepfner, W, 36
Doherty, RA, 41
Doller, J, 6

Donald, MW, 103
Donlon, J, 11
Douglas, M, 175
Dowd, J, 150, 157
Drachman, DA, 204
Draper, HH, 36
Dreosti, IE, 40
Drewes, LR, 23, 24
Drizd, TA, 223
Droppleman, LF, 69
Du Pan, RM, 103
Dufty, W, 131
Dujovne, IL, 157
Dumas, RM, 192
Dunham, D, 50
Dunlan, PT, 50
Dvergsten, CL, 40, 41
Dziegielewska, KM, 23

Earl, DC, 24
Earls, FJ, 86
Easterbrook, MA, 236
Ebert, M, 86, 162
Ebert, MH, 86, 87, 121, 150
Eccles, JC, 69
Eccleston, D, 36, 60, 120
Eckert, ED, 85, 86, 87
Edelbrock, C, 144
Edelbrock, CS, 143, 236
Edwards, BB, 41
Eichelman, BS, 121
Eichman, PL, 157
Eisen, HJ. 241
Elion, R, 69
Elkins, R, 162
Elkins, RN, 50
Elley, J, 87
Elliott, GR, 77
Ellis, EF, 111
Ellis, NR, 77
Elvehjem, CA, 184
Ely, SW, 24
Emanuel, I, 41
Emde, R, 77
Emde, RN, 77
Emerson, BS, 112
Engel, P, 171
Engelman, K, 73, 77, 203
Engvall, E, 112
Epstein, S, 236
Erdahl, DL, 103
Erlenmeyer-Kimling, L, 158
Ernst, ND, 213
Ervin, FR, 87, 121, 122
Erway, L, 41
Escourro, J, 24
Essman, WB, 87
Etheridge, EW, 175
Evans, CA, 23
Evans, DL, 88
Evans, GW, 223
Evans, JI, 60

Fadda, F, 122
Fairburn, CG, 86
Falk, HL, 192
Falk, JR, 85
Faller, DV, 36, 120
Fanni, P, 122
Faradji, H, 203
Farb, P, 175
Farrell, JP, 121
Feather, TE, 50, 223
Feinberg, M, 87
Feingold, B, 245
Feingold, BF, 50, 69, 94, 132, 157, 192
Feingold, HS, 132
Feiring, C, 236
Fell, DI, 24
Fenton, A, 175
Ferguson, HB, 50, PP144, 150, 254
Fernandez, K, 192
Fernstrom, JD, 5, 15, 23, 24, PP25, 36, 50, 51, 60, 69, 73, 77, 86, 103, 120, 175, 184, 203, 204, 253
Fernstrom, MH, 36
Filer, LJ, 192
Filer, LJ, Jr, 24
Filer, L, Jr, 245
Finch, C, 40
Finch, CA, 11
Fink, G, 87
Finlayson, JS, 184
Fischer, JE, 24
Fischette, CT, 60
Fishbein, D, 131, 132
Fisher, DB, 11
Fisher, H, 23
Fleming, D, 203
Flentge, F, 204
Fletcher, RH, 94
Fletcher, SW, 94
Flores, H, 224
Flynn, JM, 158
Foa, PP, 184
Folkard, S, 60, 171
Folstein, M, 85
Foman, SJ, 41
Fornal, C, 203
Fosmire, GJ, 40
Foss, BM, 235
Fossan, G, 23
Foster, SL, 143
Fox, JJ, 158
Fram, DH, 73, 77, 203
Frankos, V, 245
Franz, DN, 203
Fraser, AS, 41
Fraser, FC, 192
Fredericks, C, 131
Frederickson, DS, 41
Freedland, RA, 184
Freedman, AM, 85
Freeman, JJ, 24
Fremming, KH, 60, 87
Freud, S, 85
Frick, OL, 112
Fruensgaard, K, 60, 87
Fukushima, T, 11
Fuller, RW, 5
Fulton, AB, 224
Furie, B, 223
Furie, BC, 223
Fuxe, K, 87
Fyro, B, 121

Gabriel, KR, 103
Gaffney, BJ, 11
Gaind, R, 88
Galdes, A, 41
Gallagher, DW, 121
Galler, J, 175
Galler, JR, 235, 236
Gangarosa, EJ, 111
Gannon, MC, 51
Ganong, WF, 23
Garattini, S, 70
Garelis, E, 120
Garfield, G, 253
Garfield, GS, PP51, 60, PP61
Garfinkel, PE, 85, 86, 175
Garner, DM, 85, 86, 175
Garrattini, S, 87
Garrow, JS, 223
Garry, PJ, 50
Garza, C, 171
Gastpar, M, 60
Gates, AI, 171
Gaudin-Chazal, G, 203
Gauthier, S, 120
Gdowski, CL, 143
Gelenberg, A, 6
Gelenberg, AJ 6
Gellene, R, 69, 203
George, DT, 87

George, GC, 85
Gerich, JE, 94
Gerlinghoff, M, 85
Gerner, RH, 86
Gershon, ES, 86
Gersovitz, M, 223
Gessa, GL, 122
Ghanta, VK, 203
Gibbs, J, 184
Gibson, CJ, 23
Gibson, GE, 204
Giger, KE, 24
Gilbert, W, 5
Gilboe, DD, 23
Gilbride, JA, 223
Gillieson, M, 41
Gillin, JC, 77, 88
Gilman, A, 203, 241
Gilman, AG, 241
Gittelman, R, 88, PP135, 143, 144
Gittelman-Klein, R, 143, 144
Gjedde, A, 24
Gladis, M, 86
Glaeser, B, 5, 103
Glaeser, BS, 60, 69
Glassman, AH, 86, 121
Glen, AIM, 204
Glinkman, L, 87
Glowinski, J, 121
Gnirss, F, 73
Goas, JA, 204
Goetzl, FR, 171
Goff, DV, 51
Goffman, V, 132
Golbert, TM, 111
Golczewski, JA, 203
Goldberg, AM, 5
Goldberg, SC, 85, 86
Golden, MHD, 223
Goldenring, JR, 157
Goldman, JA, 158
Goldstein, GW, 24
Goldstein, JL, 41
Gomez, ME, 203
Gonzales-Monclus, E, 103
Goodman, DS, 223
Goodman, LS, 203, 241
Goodwin, DW, 94
Goodwin, FK, 87, 88, 103, 121
Goodwin, JM, 50
Goodwin, JS, 50
Gordon, J, 204
Gorsynski, G, 85
Gottesfeld, H, 87
Gowen, JW, 251
Goyer, PF, 87, 103, 121
Goyette, CH, 143, 157
Grace, R, 11
Graham, DT, 112
Grahame-Smith, DG, 120, 203
Grambsch, PV, 50, 213
Grant, LD, 192
Graves, PL, 236
Graw, A, 60
Gray, GE, 51, PP89, 94, 103, 184, 254
Gray, LE, 192
Gray, LK, 94, 184
Greden, JF, 87
Green, AR, 203
Green, DM, 171
Green, JA, 236
Green, JK, 85
Green, RG, 94, 132
Greenfield, D, 51, 171
Greenfield, DB, 40, 51
Greenfield, H, 184
Greenwald, D, 73, 203
Greenwood, MH, 60, 87, 121, 203
Gregory, ME, 41
Grgic, A, 157
Grice, HC, 69
Griffiths, C, 51
Griffiths, WJ, 77
Groesbeck, B, 131
Growden, JH, 5, 6, 24, 36, 60, 69, 77, 87, 121, 204
Grubb, PE, 36
Gryder, R, 245
Guarini, J, 162
Gull, W, 85
Gullberg, B, 121
Gustafsson, JR, 87
Guthertz, LS, 111
Guthrie, H, 223
Guy, W, 150
Guze, SB, 86, 94
Gwirtsman, HE, 86, 87
Gwirtsman, J, 87
Gyorgy, P, 86

Haber, A, 77
Haber, B, 11
Habicht, JP, 222, 236
Haddad, RK, 192
Halas, ES, 41
Haley, CJ, 11
Hall, JC, 50
Halmi, KA, 85, 86, 87
Hambidge, KH, 41, 94
Hamburg, DA, 121
Hamerlynck, LA, 144, 236
Hamill, PV, 223
Hammarstrom-Wiklund, B, 5, 51
Hammer, FJ, 171
Hamon, M, 121
Hamovit, JR, 86
Hanbauer, I, 11
Handy, LC, 144, 236
Hankin, JH, 223
Hannah, RR, 241
Hansen, JD, 120
Hansen, RM, 224
Hanson, L, 88, 121
Hansten, PD, 241
Hansten, S, 60, 87
Hantman, E, 150, 157, 162
Hanukugla, A, 157
Harding, B, 85, 86
Harford, J, 150, 158
Hargreaves, JA, 50
Harland, BF, 213
Harley, JP, 132, 157
Harmatz, JS, 86
Harper, AE, 11, 36, PP175, 184, 254
Harper, GP, 86
Harrer, CJ, 171
Harrison, GG, 223
Harrison, JE, 223
Harrison, W, 88
Harrison, WW, 112
Hartmann, D, 224
Hartmann, E, 5, 50, 69, 70, 73, 77, 87, 203, 253
Hartmann, EL, PP70
Harwood, JL, 88
Haskett, RF, 87
Hathcock, JN, 175
Hatsukami, DK, 86
Hattan, D, 245
Haubrich, DR, 5
Hauhart, RE, 24
Hawkins, RA, 23, 24, 25
Hay, R, 132
Hayaishi, O, 77
Heck, E, 203
Heffernan, MM, PP78
Hefti, F, 5, 60, 69, 184, 203
Helu, B, 51
Hemphill, DD, 41
Heninger, GR, 87
Henker, B, 144
Henry, JP, 241
Henry, P, 5, 36, 77, 87
Henry, S, 245

Henschel, A, 86
Henson, TA, 70
Hepburn, F, 213
Herbert, V, 94
Herbst, AL, 241
Herman, YF, 223
Herrera, MG, 25, 236
Herrington, RN, 60, 87
Hertz, MM, 24
Hery, F, 121
Herzog, D, 85
Herzog, DB, 86
Hess, SM, 36
Hetzel, BS, 40
Hewitt, D, 50, 213
Heymsfield, SB, 223
Hildebrandt, G, 171
Hill, D, 103
Hill, GM 41
Himmetoglu, O, 41
Hinton, JW, 103
Hippchen, L, 131, 132
Hippchen, LJ, 93
Hiramoto, RM, 203
Hirsch, MJ, 5, 6, 36, 204
Hjelm, M, 103
Ho, BT, 86
Ho, OL, 192
Hobson, JA, 77
Hockey, GRJ, 60
Hoddes, E, 70
Hoffer, A, 131, 132
Hogan, MJ, 94
Hollister, LE, 6
Holman, RB, 77
Holst, A, 111
Honig, AS, 51
Honore, P, 87, 122
Hoover, LW, 158
Hopkinson, G, 87, 88
Hornig, D, 224
Hornykiewicz, O, 203
Houghton, D, 70
House, AE, 144
Houseworth, S, 86
Howanitz, P, 51
Hrboticky, N, PP42, 50, 184, 254
Hsu, LK, 85
Hudes, M, 223
Hudson, JI, 85, 86, 87
Huestis, R, 144
Hughes, JA, 193
Hunt, R, 162
Hurley, LS, 41
Hutchings, DE, 192
Hutchinson, EC, 24
Huttunen, MO, 94, 103

Iacoviello, JM, 150
Iber, FL, 224
Inskip, WM, 120
Irvin, DL, 171
Ishimura, Y, 77
Ishizuka, B, 51
Ismond, D, 162
Isselbacher, KJ, 111

Jackson, E, 69, 77
Jacobs, BL, 121
Jacobs, KW, 122
Jacoby, J, 5
James, JH, 24
James, NM, 87
James, SP, 88
James, WP, 223
Jameson, S, 41
Jaques, P, 223
Jarvis, WT, 175
Jaskir, J, 236
Jeejeebhoy, KN, 223
Jefferson, LS, 24
Jelliffe, DB, 222
Jelliffe, EFP, 222
Jenden, DJ, 24, 204
Jenkins, AL, 51
Jenkins, DJ, 51
Jenkins, DJA, 51
Jenkins, G, 132
Jensen, K, 60, 87
Jensen, RL, 41
Jensvold, M, 162
Jeppsson, B, 24
Jéquier, E, 11
Jimerson, DC, 87, 103, 121
Johnson, C, 50, 86, 162
Johnson, CL, 223
Johnson, EC, 60
Johnson, EM, 192
Johnson, JR, 203
Johnson, LC, 70
Johnson, P, 241
Johnson, RF, 241
Johnson, SM, 236
Johnson, TC, 23
Johnston, EC, 87
Johnston, JL, 11, 15, 253
Jonas, JM, 85, 86, 87
Jones, EM, 24
Jonsson, G, 87
Jorgensen, M, 223
Josefsberg, Z, 157
Joseph, MH, 103
Joseph, MS, 87
Josse, RG, 51
Jouvet, M, 69, 203
Julia, HL, 69
Jung, RT, 223
Jura, M, 236
Jurgens, U, 77
Juskevich, J, 11

Kadi, Z, 60
Kahn, HA, 223
Kahn, IS, 112
Kalat, JW, 184
Kallner, A, 224
Kalucy, RS, 88
Kanarek, RB, PP172
Kanawati, AA, 60
Kantameneni, BD, 60, 87, 121, 203
Kaplan, HI, 85
Karczmar, AG, 121
Kare, MR, 184
Karp, M, 157
Kassim, N, 50, 213
Katz, JL, 85
Katz, RJ, 121
Katz, S, 143, 144
Kaufman, S, 11
Kay, DW, 85
Kaye, W, 86, 87
Kaye, WH, 86, 87
Kazmaier-Novak, KJ, 193
Keeling, PW, 41
Keenan, WJ, 193
Kelleher, RT, 250
Kellogg, JH, 175
Kelm, H, 132
Kemp, HG, 25
Kemper, K, 86
Kempthorne, O, 251
Kendall, PC, 143
Kennedy, S, 85
Kent, RN, 143
Kesne, JM, 24
Kessler, MD, 143
Kewitz, H, 24
Keys, A, 86, 171
Keys, L, 94
Khurana, H, 23
Kido, R, 77
Killam, KF, 86, 88
Kimmel, CA, 192, 193
Kimura, T, 241
Kindle, G, 121
Kindt, CW, 193
King, CG, 171

King, DS, 112
Kinsbourne, M, 132, 150, 157
Kirk, L, 60, 87, 122
Kirkegaard, C, 88
Kitchell, M, 77
Klein, DF, 88, 143, 144
Klein, H, 171
Klein, RE, 235, 236
Klein, WJ, 87, 103, 121
Kleindiest, JK, 143
Kline, OL, 86
Knabb, RM, 24
Knauth, P, 171
Knights, RM, 132, 150
Knopf, CF, 157
Knott, PJ, 103
Kochen, W, 73, 184, 203, 204
Kochhar, DM, 192
Koella, WP, 203
Kokubu, HL, 112
Kolata, G, 131
Kopin, I, 162
Kopin, IJ, 50, 162
Koplewicz, HS, 143
Kosovsky, C, 50
Kotin, J, 121
Kovacevic, R, 73
Kraepelin, E, 88, 171
Kraines, SH, 88
Krasinski, S, 223
Krasinski, SD, 224
Krassner, MB, PP12, 15, 253
Krautwald, O, 87
Krieg, C, 85
Kritchevsky, D, 223
Kron, L, 85
Krondl, M, 50
Kronfol, Z, 88
Kruger, S, 223
Kruger, SF, 223
Krzeminska, K, 51
Kuhl, DE, 23
Kuhn, D, 11
Kuhn, DM, 11
Kulkosky, PJ, 158
Kumari, N, 103
Kupfer, DJ, 73, 77, 88, 203

Lacey, JH, 86
Lachar, D, 143
LaCoste, V, 60
Lader, MH, 60, 87, 121, 203
Laderman, C, 175
Lajtha, A, 24
Lakdawall, N, 111
Lake, MD, 86
Lal, S, 120
Lamb, ME, 236
Langer, B, 223
Langer, D, 50, 162
Langseth, L, 150, 157
Lantz, S, 86
Laprade, K, 143
Larin, F, 5, 36
Laron, Z, 157
Larsen, R, 86
Larson, GE, 94
Larson, R, 86
Lasagna, L, 112
Lasky, RE, 236
Lasson, J, 77
Lau, D, 50
Lauer, BA, 241
Lauer, JW, 120
Laus, MJ, 50
La Vergne, PM, 88
Lawrie, JA, 51
Lawson, JS, 103
Leatherwood, M, 111
Leathwood, PD, 36, 184, PP193, 203, 204
Leavitt, J, 204
Lechtig, A, 236
Leckman, JF, 88
Le Devehat, C, 223
Lee Remigio, WY, 112
Lee, VA, 157
Lees, JM, 157
Lehnert, H, 69
Leibel, RL, 40, 41, 51, 171
Leigh, D, 85
Leiter, LA, 50
Lemoine, A, 223
Leprohon, CE, 184
Lerman, RH, 158
Lester, B, 77
Lester, BK, 77
Lester, BM, 236
Lester, ML, 50
Letemendia, FJ, 103
Leung, P, 184
Levander, S, 103
Levanthal, BL, 121
Leveille, GA, 184
Levine, AS, 24
Levine, RA, 5, 11
Levison, PK, 250
Levitsky, DA, 88, 236
Levitt, M, 11
Levy, R, 204
Levy, RI, 213
Lewin, R, 203
Lewis, KC, 223
Lewis, LD, 24, 86
Lewis, M, 236
Lewis, NL, 171
Lewis, RW, 88
Lewy, AJ, 88
Li, ET, 36, 184
Lidberg, L, 103
Lidberg, Y, 103
Lieber, CS, 87, 193
Lieber, ER, 111
Lieberman, AF, 236
Lieberman, H, 60, 150, 253
Lieberman, HR, PP51, 60, PP61, 69, 77, 87, 121
Liebert, RM, 236
Liebowitz, MR, 88
Lilienfeld, AM, 94
Lilienfeld, DE, 94
Lindberg, D, 60, 87
Linder, S, 103
Lindqvist, M, 5, 120, 203
Lindsley, JG, 73
Linnoila, M, 103, 121, 162
Linzen, B, 73, 184, 203, 204
Lione, A, 24
Lipinski, JF, 6
Lippa, AS, 204
Lippert, BJ, 24
Lipscomb, A, 5, 36, 77, 87
Lipton, M, 88
Lipton, MA, 86, 175
List, S, 73
Little, A, 204
Little, JA, 50, 213, 223
Ljunggren, B, 24
Llobet, JL, 111
Lloyd-Still, JD, 60
Lochry, EA, 193
Lockwood, R, 223
Loeb, L, 236
Loerch, JD, 223
Logan, M, 175
Logan, WJ, 157
Logue, M, 5
Lohr, KN, 212
Lohr, N, 88
Loke, WH, 70
London, ED, 204
Long, M, 87
Lord, EE, 41
Loriaux, DL, 86
Lorr, M, 69
Lorscheider, FL, 23
Love, CT, PP122
Loveless, MH, 112

Loven, MD, 143
Lovenberg, W, 5, 11
Lovenberg, WM, PP6
Lowell, WE, 236
Lowry, OH, 24
Lozoff, B, 51
Lubin, AH, 253
Ludlow, C, 162
Lush, JL, 251
Lying-Tunell, U, 24
Lynn, CS, 121

Mackler, B, 11, 40
MacLaren, DS, 60
Madden, JP, 223
Magnus, DM, 60
Magnusson, T, 203
Mahaffee, K, 41
Mahaffey, KR, 41
Maher, TJ, 5, 60, 69
Major, LF, 121
Malinowska, DH, 23
Maller, O, 5, 50, 60, 69, 86, 171, 184
Malmlund, HO, 24
Mans, AM, 24
March, V, 86
Marcus, R, 69
Margen, S, 157
Marilov, V, 85
Mark, S, 5
Markowitz, DC, 5
Markowitz, JS, 88
Marois, M, 203
Marota, JJ, 11
Marr, JW, 223
Marsden, CD, 60
Marshall, E, 203
Marston, RM, 213
Martin, JB, 111, 184
Martinez, C, 236
Martini, L, 23
Marton, M, 24
Martorell, R, 222
Martorell, RR, 223
Mash, E, 144
Mash, EJ, 144, 236
Mashimo, K, 103
Mason, E, 87
Mason, K, 11
Massaro, PF, 41
Mathieson, RD, 224
Mattes, J, 144
Matthews, CG, 132, 157
Mauron, C, 5, 103
Mauron, J, 120, 184, 203
Mawson, AR, 122
May, CD, 111, 112
Maytham, W, 50
Mazziotta, JC, 23
McAuliffe, S, 144
McBrearty, EM, 171
McCann, PP, 24
McCarley, RB, 77
McCarthy, DA, 150
McCartney-Francis, NL, 112
McCleary, R, 132
McCollum, EV, 175
McCormick, DB, 41
McDaniel, CR, 193
McEwen, BS, 60
McGale, EH, 24
McGeer, EG, 69
McGeer, PL, 69
McGrath, PJ, 88
McGuffog, C, 236
McGuiness, B, 86
McGuire, V, 50, 213, 223
McIlwain, H, 23
McLaughlin, D, 87
McManus, C, 223
McMenamy, RH, 103
McNair, PM, 69
McNeill, KG, 223
McQueen, JK, 121
McReynolds, CR, 158
McTurk, PH, 120
Meadows, NJ, 41
Medalie, JH, 223
Meister, KA, 94
Mejia, L, 223
Melamed, E, 5, 60, 69, 184, 203
Meldrum, BS, 23
Meliska, CJ, 70
Mena, I, 41, 203
Mendels, J, 86
Mendelson, WB, 77, 86, 88
Mendlewicz, J, 121
Menkes, DB, 87
Merikangas, KR, 88
Merson, MH, 111
Messer, E, 175
Metcalfe, DD, 111, 112
Michaelis, R, 77
Michelakis, AM, 41
Michielutte, R, 223
Mickelson, O, 86
Middleton, E, 111
Mietus, LJ, 24
Mikkeldsen, E, 162
Mikkelsen, EJ, 150
Milich, R, 150, 158
Milkie, GM, 59
Miller, AL, 25
Miller, DR, 193
Miller, H, 121
Miller, LP, 5, 11
Miller, P, 224
Miller, RD, 88
Miller, S, 245
Miller, SA, 184
Miller, SM, 50
Milne, DB, 41
Milner, J, 50, 213, 223
Milstein, S, 11
Mirkin, BL, 241
Mirsky, A, 162
Mistry, SP, 184
Mitchell, C, 245
Mitchell, JE, 86, 87
Mobarhan, S, 224
Moennoz, D, 184, 203, 204
Mohyuddin, F, 24
Moja, EA, 77
Moldofsky, H, 85
Moller, SE, 60, 87, 122, 203
Mollgard, K, 23
Monga, TN, 103
Monges, A, 223
Monroe-Lord, L, 50
Montgomery, S, 245
Mook, D, 236
Moore, TJ, 24
Moore, WM, 223
Mora, JO, 236
Morand, C, 121
Morgan, AP, 25
Morgan, HE, 24
Morgan, HG, 85
Morgese, I, 103
Morishia, J, 162
Morley, JE, 24
Morrell, W, 85
Morris, DH, 253
Morse, WH, 250
Morton, R, 85
Moses, PL, 5, 36, 175
Mostafapour, S, 5
Mosteller, F, 112
Mowbray, RM, 204
Moyer, KE, 131
Mueller, PS, 88
Munoz-Box, R, 203
Munro, HN, 5, 36, 51, 184, 223
Muranishi, S, 241
Murphy, DL, 86, 120, 121
Murphy, RS, 41
Myers, MP, 213

Nagatsu, T, 11
Nagy, A, 60
Nair, PP, 223
Nakagawa, S, 103
Nakamura, J, 241
Nakayama, H, 103
Nakra, BR, 88
Naylor, GJ, 121
Nebert, DW, 241
Needleman, HL, 41
Negishi, M, 241
Neims, A, 69, 162
Neims, AH, PP237, 241
Neldmer, KH, 41
Nelson, CJ, 193
Nelson, IL, 40
Nelson, W, 162
Nemore, J, 77
Nemzer, E, 86
Nerlove, SB, 236
Neshheim, ME, 184
Neumann, CG, 223
Newberne, DM, 184
Newsome, DA, 88
Neziroglu, FA, 103
Nicholson, AN, 73
Nies, A, 88
Nigro, C, 131
Ninan, PT, 121
Nixon, JC, 11
Nobrega, JN, 88
Noel, B, 103, 121
Noguera, R, 121
Nomura, A, 223
Norberg, K, 24
Nordberg, GF, 41
Norton, S, 192
Norwood, J, 150
Noshpitz, JD, 85
Notte, R, 77
Numberger, JI, Jr, 86
Nuttall, FQ, 51
Nuutila, A, 103, 121
Nyback, H, 121
Nyerges, AM, 24

Oates, JA, 241
Oberleas, D 77
Obiols, J, 103
O'Brien, R, 87
O'Callaghan, JP, 11
O'Dell, SL, 158
Ogren, SO, 87
Oldendorf, WH, 23, 24, 120
Oliverio, A, 203
Ollerich, DA, 40
Olmsted, MP, 175
Olney, JW, 24, 192
Olson, JA, 223, 224
Oncley, JL, 103
O'Neil-Cutting, MA, 224
Opstad, PK, 60
Orange, RP, 112
Ordonez, LA, 23
Oreland, L, 121
Orthen-Gambill, N, PP172
Ortiz, N, 236
Ortmann, J, 87
Orvaschel, H, 143
Ose, E, 60, 87
O'Shaughnessy, M, 86
Oski, FA, 51
Osmond, H, 132
Ostenso, GL, 212
Oswald, I, 60, 73, 203
Owen, GM, 223
Owen, OE, 25
Owen, TM, 175
Owens, M, 85
Owyang, C, 184
Oyler, JR, 171

Pahl, J, 85
Pan, RM, 5
Panksepp, J, 36
Pao, EM, 213
Papavasiliou, PS, 69, 203
Pardridge, WM, 5, PP15, 23, 24, 203, 253
Pare, CMB, 121, 204
Parish, WE, 111
Park, YK, 213
Parker, E, 162
Parl, U, 77
Parmelee, A, 77
Parmelee, AH, 77
Parniak, MA, 11
Parron, DL, 251
Parry, BL, 86, 88
Parsons, WD, 241
Patel, MS, 184
Patrick, J, 41
Patterson, GR, 144
Patterson, R, 111
Patwardhan, RV, 241
Pauling, L, 131
Pauls, DL, 88
Paykel, ES, 88
Payne, JG, 171
Pearlman, DS, 112
Pearson, DJ, 112
Pease, SE, PP122
Peck, AW, 70
Pegg, AE, 24
Penland, JG, 41
Pennington, JA, 213
Perez-Cruet, J, 120
Perlman, P, 112
Person, R, 11
Peter, F, 245
Peters, JC, 36, 184
Petersdorf, FG, 111
Peterson, C, 204
Peterson, RD, 50, 223
Pezet, A, 131
Pfeiffer, C, 132
Phelps, ME, 23
Phillips, RS, 11
Phillis, JW, 24
Pi-Sunyer, FX, 223
Pihkanen, TA, 60, 87
Pihl, RO, 87, 122
Pinder, RM, 36
Pineda, O, 223
Piran, N, 85
Pirke, KM, 85, 87
Platman, SR, 121
Pleul, O, 24
Ploog, D, 87
Pollack, E, 143, 144
Pollack, R, 77
Pollet, P, 203
Pollitt, E, 40, 41, 51, 60, 171
Pollock, PG, 24
Poon, LW, 204
Pope, HG, 85, 87
Pope, HG, Jr, 86
Porath, J, 103
Porrino, L, 162
Poskanzer, DC, 241
Poso, H, 24
Post, RM, 88, 121
Potter, BJ, 40
Prange, AJ, 121
Prange, AJ, Jr, 121
Prasad, AS, 41
Price, DL, 204
Price, MT, 24
Prinz, R, 162
Prinz, RJ, 150, PP151, 157, 254
Prockop, DJ, 60, 121
Prohaska, JR, 41
Prokop, L, 171
Prokop, O, 171
Prosky, L, 213
Prusoff, BA, 88
Pühringer, W, 60
Puizillout, JJ, 203

Pujol, J, 103
Pye, IF, 24
Pyle, RL, 86, 87

Quay, HC, 144
Quigley, ME, 51
Quitkin, F, 143
Quitkin, FM, 88

Rabbani, P, 41
Rabkin, J, 88
Radke-Yarrow, MR, 235, 236
Radulovacki, M, 73, 203
Raft, D, 88
Ragione, FD, 24
Raica, N, Jr, 223
Ramey, CT, 236
Ramos, O, 157
Ramsey, F, 236
Rand, WM, 5, 51
Rankin, H, 121
Raotma, H, 88, 121
Rapoport, J, 162, 254
Rapoport, JL, 50, 60, 69, 94, 131, 150, PP158, 175, 184, 241
Rapoport, M, 51
Rapoport, SI, 36
Rauch, WH, PP132
Ravaris, CL, 88
Ravindran, A, 88
Ray, RS, 144, 157
Reaven, GM, 60
Rechcigl, M, 184
Reed, CE, 111
Reed, ML, 144
Reed, RB, 223
Reese, F, 236
Regen, DM, 24
Regestin, Q, 203
Reichlin, S, 184
Reinstein, DK, 69
Reisby, N, 87
Reisman, RE, 112
Reiss, BF, 70
Reiter, LW, 192
Reith, M, 204
Renaud, B, 103, 121
Rennert, OM, 241
Reus, VI, 87
Reynolds, C, 162
Reynolds, E, 60
Reynolds, ML, 23
Reynolds, WA, 24
Rhee, V, 192
Rhoads, GG, 223
Richards, RJ, 88
Richardson, DL, 121
Richmond, B, 162
Riddington, CJ, 70
Riddle, DB, PP151, 254
Rider, AA, 223
Rifkin, A, 143
Rifkind, BM, 213
Riley, EP, 193
Rimland, B, 94
Rimon, R, 103, 121
Ringberger, V, 87
Ringuette, EL, 87
Rinsler, MG, 88
Risch, SC, 88
Risucci, D, 150
Rivinus, TM, 86
Rix, KJ, 112
Roberts, AB, 223
Roberts, HR, 70
Roberts, J, 41
Roberts, JM, 236
Roberts, RJ, 241
Roberts, W, 150
Roberts, WA, 150, 157, 162
Robertson, D, 241
Robinson, DS, 11, 88
Roche, AF, 223
Roche, D, 103, 121
Rodin, J, 122
Roe, DA, 88
Rogers, QR, 184
Rohmert, W, 171
Roida, JP, 193
Roos, RB-E, 60
Roose, SP, 86
Rosenberg, H, 131
Rosenbloom, AL, 157
Rosenn, D, 236
Rosenthal, NE, PP78, 86, 87, 88
Ross, D, 236
Ross, S, 236
Rossi, J, 36
Rossini, AA, 86
Rosvold, H, 162
Roth, T, 192
Routh, DK, 192
Rowe, AH, 112
Rowland, M, 241
Rowland, N, 36
Roy-Byrne, P, 86, 121
Rozin, P, 184
Rubin, RA, 23
Rubinow, DR, 121
Rubinstein, D, 88
Rubio, R, 24
Rudorfer, MV, 103
Rulis, A, 245
Rumsey, J, 162
Rumsey, JM, 175, 184
Ruse, W, 41
Rush, D, 236
Rush, J, 87
Ruskin, B, 11
Russell, G, 86
Russell, GF, 85
Russell, R, 223
Russell, RM, 223, 224
Rutenfranz, J, 171
Rutland, P, 88
Rutschmann, J, 158
Ryan, J, 203

Sabbagh, S, 60
Sack, DA, 86, 87, 88
Sackett, GP, 143
Sadock, BJ, 85
Sager, PR, 41
Sahakian, BJ, 204
Sakar, B, 41
Salkeld, R, 223
Salkin, B, 85
Sandstead, HH, PP37,40, 41, 223, 253
Sangiah, S, 77
Sanjur, D, 50
Sansone, RA, 86
Sapeika, N, 111
Saraf, S, 143
Sargant, W, 88
Sargant, WA, 103
Sarson, DL, 51
Sasaki, T, 103
Sass-Kortsak, A, 41
Sattler, JM, 235
Sauberlich, HE, 223
Saunders, NR, 23
Saunders, WB, 241
Savard, R, 121
Savik, C, 86
Sawyer, DA, 69
Sawyer, PR, 36
Scalia-Tomba, GP, 103
Scally, MC, 5
Schachter, S, 122
Schauss, A, 94, 131
Scheinin, M, 103, 121
Schelbert, HR, 23
Schenker, J, 73
Schenker, S, 241
Schey, HM, 223
Schiff, I, 203
Schiffer, LM, 203

Schiro, JA, 24
Schleifer, M, 50
Schlossberger, H, 203
Schlossberger, HG, 73, 184, 203, 204
Schlossman, N, 223
Schmidt, DE, 5
Schmidt, K, 94
Schneider-Helmert, D, 73
Schoenthaler, SJ, 51, 94, 131
Schoolar, J, 204
Schoolar, JC, 86
Schreiber, JL, 86
Schrier, SS, 86
Schuberth, J, 24
Schuckit, M, 162
Schulte, FJ, 77
Schultz, F, 150, 158
Schurch, B, 235
Schwachman, H, 224
Schwartz, B, 162
Schwartz, DM, 86
Schweiger, U, 85
Scopes, JW, 41
Scott, WJ, 192
Scrimshaw, NS, 223
Scriver, CR, 24
Seale, TW, 241
Seat, PD, 143
Sedvall, G, 121
Seely, JE, 24
Seidman, F, 103
Seitz, CP, 171
Selinger, BJ, 103
Seltzer, S, 69, 77
Sershen, H, 24
Service, FJ, 94
Sever, LE, 41
Seyfritz, N, 203
Sezaki, H, 241
Shabshelowitz, H, 36
Shalling, D, 103
Shank, FR, 213
Shannon, WR, 112
Shapiro, NR, 193
Sharbrough, FW, 94
Sharfuddin, S, 158
Shaw, DM 121
Shaw, S, 87
Shaywitz, BA, 157
Sheard, MH, 121
Shenker, LF, 122
Shepard, TH, 11
Shepherd, GM, 15
Sheridan, M, 94
Shering, A, 204
Shetty, PS, 223
Shiman, R, 11
Shinozaki, K, 103
Shulman, RJ, 171
Siegel, H, 41
Siesjo, BK, 23, 24
Silverstein, A, 24
Simeon, JG, 50, PP144, 150, 254
Simko, MD, 223
Simonson, E, 171
Simmons, N, 162
Sink, JD, 184
Sirek, A, 36
Sisson, WB, 24
Sjoerdsma, A, 11, 73, 77, 203
Sjostrand, L, 121
Skikne, BS, 223
Skott, A, 60
Slag, MF, 51
Slome, C, 50
Smart, DE, 85
Smeltzer, DJ, 86, 144
Smiciklas-Wright, H, 223
Smith, B, 60, 121, 162
Smith, GP, 184
Smith, J, 223
Smith, MF, 41
Smith, RC, 204
Smith, RM, 40
Smith, S, 87, 122
Snell, EE, 41
Snell, K, 192
Snoddy, HD, 5
Snyder, DK, 143
Snyder, F, 73, 77, 203
Snyder, SH, 23, 70
Sobotka, TJ, 192, PP241
Soeters, PB, 24
Sogn, DE, 223
Sokoloff, L, 23
Solimano, G, 236
Solomon, F, 251
Solomons, NW, 223
Sorensen, SC, 23
Sostek, AJ, 70, 158
Sourkes, TL, 120
Sours, JA, 85
Southwick, DA, 157
Southworth, M, 184
Sparber, SB, 193
Spector, R, 23
Speer, F, 112
Speight, TM, 36
Spiller, G, 36
Spinweber, CL, 5, 50, 69, 73, 77, 87
Sporn, MB, 223
Sprague, RL, 143, 184
Sprince, H, 204
Spring, B, 5, 50, 60, 69, 86, 171
Spring, BJ, PP51, 60, PP61, 69, 77, 87, 121, 253
Sroufe, D, 236
Sroufe, LA, 236
Stambough, EE, II, 144
Stamler, J, 213
Stanbury, JB, 41
Stanley, J, 132
Stanton, JB, 120
Staples, RE, 192
Stare, FJ, 94
Statland, BE, 241
Staub, E, 236
Stebbins, GT, 87
Steele, RD, 24
Stegink, LD, 192, 245
Stehbens, JA, 77
Stein, H, 103
Stein, Z, 236
Steinberg, SS, 112
Steiner, M, 88
Steinhart, H, 73, 184, 203, 204
Stellar, E, 87
Stephens, PM, 241
Stern, E, 77
Stern, L, 241
Stern, SL, 86
Stern, WC, 88
Sternberg, DE, 87
Stevens, V, 223
Steward, E, 50
Stewart, E, 213
Stewart, JW, 88
Stikeleather, RA, 121
Stillman, R, 162
Stoch, R, 69
Stoddart, C, 50, PP144, 150, 254
Stoff, DM, 77
Stoffer, RP, 158
Stone, BM, 73
Stonehill, E, 85
Stonier, C, 24
Strapp, J, 144
Strayer, FF, 236
Strayer, J, 236
Strickland, B, 131
Strobel, DA, 41
Strober, M, 85
Strom, BL, 70
Strowbridge, BW, 69
Struble, RG, 204
Stuckey, MK, 86

Stumbo, P, 150, 158
Stunkard, AJ, 87
Sturzenberger, S, 85
Subba Rao, PV, 112
Sugden, MC, 24
Sullivan, J, 88
Sullivan, JM, 25
Sundqvist-Stensman, UB, 103
Suplee, WC, 41
Surridge, DH, 103
Susser, M, 236
Suttie, JW, 184
Suzuki, B, 77
Sved, A, 245
Sved, AF, 5
Swanson, J, 150
Swanson, JM, 132, 157
Swanson, RC, 111
Swedberg, J, 77
Swenerton, H, 41
Swenson, RA, 40
Swensson, A, 171
Swets, JA, 171
Swift, CR, 103
Swope, G, PP51, 253
Szabo, J, 24, 120
Szepesi, B, 184

Tagliamonte, A, 122
Takamura, R, 241
Tamarkin, L, 88
Tanner, JT, 213
Tant, JL, 150
Tarika, J, 87
Tarler-Benlolo, L, 158
Tattersall, RB, 103
Tausig, RT, 157
Taylor, HL, 86
Taylor, KM, 23
Taylor, RH, 51
Taylor, SL, 111
Temple, TE, 41
Terdal, L, 144
Ternaux, JP, 121, 203
Thacher, RW, 50
Thacore, VR, 60
Theander, S, 85
Thoa, NB, 121
Thoman, E, 77
Thomas, HM, 41
Thompson, C, 60
Thompson, GW, 50
Thompson, M, 132
Thompson, RP, 41
Thomson, J, 121
Thomson, WST, 36
Thoren, P, 60, 87, 121
Thurston, JH, 24
Tilson, H, 245
Tiwary, CM, 157
Todd, KS, 223
Tomasi, K, 157
Tonney, G, 120
Traisman, E, 157
Traskman, L, 60, 87, 121
Traskman-Bendz, L, 121
Tricamo, E, 88
Trimble, M, 60
Trites, RL, 143
Tronick, E, 236
Trudeau, MB, 121
Trulson, ME, 50, 87, 121
Truswell, AS, 120
Tsay, R, 5
Tuck, JR, 103
Tucker, DM, 40, 41
Tukey, RJ, 241
Tulchinsky, D, 203
Turin, AC, 69
Turnbull, CD, 88
Turner, RR, 236
Tybring, G, 121

Udall, JN, 158
Udenfriend, S, 11, 24
Uehara, Y, 204
Ulfelder, H, 241
Ulrich, RF, 143
Ulus, I, 5
Underwood, BA, 212, PP213, 223, 224
Underwood, EJ, 41
Ureda, JR, 223
Ursin, R, 73
Usdin, E, 6, 69, 86

Vallee, BL, 41
Valzelli, I, 103
Valzelli, L, 87, 121
Van den Berg, CJ, 204
Van Itallie, TB, 223
van Kammen, DP, 121
Van Metre, TE, 94
van Praag, HM, 60, 121
Van Woert, MH, 203
Vanderveen, JE, 213
Vaselli, I, 103
Vaux, A, 144
Veech, RL, 25
Verma, S, 88
Verwilghen, AM, 120
Vesell, ES, 241
Vestal, RE, 241
Victor, M, 15
Vigersky, RA, 86
Villeneuuem, J, 77
Vilunski, E, 157
Vinik, AI, 184
Vinton, NE, 223
Virkkunen, M, 94, PP94, 103, 121
Viteri, FE, 51
Voelker, S, 143
Voigt, ED, 171
Volk, EA, 36
von Borstel, RW, 241
von Borstel, WR, 70
von Felsinger, JM, 112
Vorhees, C, 245
Vorhees, CV, PP185, 192, 193, 254
Vroulis, GA, 204
Vuori, L, 236

Waber, D, 236
Wade, D, 241
Wade, J, 50
Wade, LA, 24
Wagner, EH, 94
Wagner, M, 236
Wahler, RG, 144, 158
Waite, JH, 40
Waldecki, B, 203
Walinder, J, 60
Wall, S, 236
Wallick, DE, 11
Wallingford, J, 224
Wallwork, JC, 41
Walravens, PA, 41
Walsh, BT, 86
Walsh, G, 143
Walshe, JM, 41
Wang, PF, 5
Wannenburg, P, 120
Ware, C, 5, 73
Ware, JE, 212
Warnhoff, M, 85
Warren, SK, 24
Warren, W, 85
Waskik, BH, 143
Wasserman, FE, 122
Waters, E, 236
Watrasiewicz, KE, 223
Webster, E, 157
Wechsler, D, 70
Wecker, L, 5
Wedeking, PW, 5
Wehr, TA, 86, 87, 88
Weil-Malherbe, H, 87

Weinberg, J, 41
Weindl, A, 23
Weiner, H, 85
Weiner, MF, 86
Weingartner, H, 50, 103, 150, 162
Weinstein, DO, 88
Weintraub, M, 87
Weisburd, S, 204
Weiss, B, 157
Weiss, G, 50
Weiss, SR, 86
Weissman, MM, 88
Wells, WW, 41
Welsh, A, 112
Welsh, SO, 213
Werry, JS, 120, 143, 144
Wertheimer, J, 203
Wesson, DE, 223
West, ED, 88
Whalen, CK, 144
Wheeler, L, 157
Whelan, EM, 94
Whitehouse, PJ, 204
Whorton, JC, 175
Whybrow, PC, 121
Wiberg, A, 121
Wide, L, 103
Wiener, W, 5
Wiesel, FA, 121
Wilcox, LE, 143
Wilder, J, 103
Wilkinson, DG, 103
Wilkinson, R, 70
Wilkinson, RT, 70
Wilkinson, S, 23
Williams, DG, 88
Williams, HL, 77
Williams, JH, 157
Williams, JI, 157
Williams, M, 24
Wilson, BC, 150
Wilson, CS, 175
Wilson, IC, 121
Wilson, J, 69
Wilson, JD, 111
Wilson, JG, 192
Wilson, JJ, 150
Winick, M, 40
Winn, HR, 24
Winokur, A, 86
Wippman, J, 236
Wirt, RD, 143
Wirz-Justice, A, 60
Wittig, BA, 235
Wode-Helgodt, B, 121
Wojcik, WJ, 203
Wolever, TM, 51
Wolever, TMS, 51
Wolf, AW, 51
Wolf, S, 112
Wolf, WA, 11
Wolff, HG, 112
Wolff, P, 77
Wolman, SL, 223
Wolpert, EB, 24
Wolraich, M, 150, 158
Wong, GS, 51
Woo, R, 223
Wood, D, 120
Wood, K, 60, 86
Woodger, TL, 36, 184
Woodman, DD, 103
Woods, SC, 158
Wool, RS, 157
Woosley, RL, 241
Wootten, V, 192
Workman, R, 241
Woteki, CE, PP204, 223
Wu, PH, 24
Wunderlich, RC, 131
Wurtman, J, 5, 50, 60, 86, 171
Wurtman, JJ, 5, 24, 36, 60, 69, 77, 85, 86, 87, 162, 175, 184, 203, 245
Wurtman, RJ, PP2, 5, 6, 11, 15, 23, 24, 36, 50, 51, 60, 69, 70, 73, 77, 85, 86, 87, 103, 120, 121, 150, 162, 175, 184, 192, 203, 204, 241, 245, 253
Wyatt, R, 162
Wyatt, RJ, 73, 77, 203
Wyngaarden, JB, 41

Yaffe, SK, 241
Yager, J, 86
Yaktin, US, 60
Yarbrough, C, 222, 236
Yarura-Tobias, JA, 103
Yates, CM, 121
Yates, GM, 204
Yehuda, S, 41
Yen, SS, 51
Yensen, R, 171
Ying Yu, Y, 103
Yogman, MW, PP74, 77, 253
Yoshida, A, 184
Yoshino, K, 103
Youdim, MB, 11
Youdim, MBH, 41
Young, CM, 50
Young, E, 88
Young, JH, 175
Young, M, 157
Young, MJ, 70
Young, SN, 87, PP112, 120, 121, 122
Young, VR, 223
Yssing, M, 77
Yudkin, J, 131
Yurgelun-Todd, D, 85, 86

Zagon, IA, 24
Zahn, T, 162
Zahn, TP, 50
Zarcone, V, 70
Zeichner, A, 122
Zeisel, S, 204
Zeisel, SH, 5, 24, 36, 77, 87
Zeller, EA, 120
Zenick, H, 192
Zeskind, PS, 236
Ziegler, EE, 41
Ziparo, V, 24
Zolovick, AJ, 36
Zucker, MA, 150

Subject Index

ACETYLCHOLINE
  action of, 14
  nutritional control of synthesis, 2-5
  senile mental decline and, 199-202
ADENOSINE
  caffeine and, 67
ADENOSINE-3',5'-CYCLIC MONOPHOSPHATE (cAMP)
  synthesis of, 13
ADENOSINE TRIPHOSPHATE (ATP)
  as precursor of cAMP, 13
ADVERSE REACTIONS TO FOODS
  definition of terms, 105
  diagnosis of, 106-109
AFFECTIVE DISORDERS
  eating disturbances in, 78-85
AGE
  and response to dietary constituents, 237-238
AGGRESSION
  5-HT and, 112-120
  tryptophan levels and, 112-120
  see also CRIMINAL BEHAVIOR; JUVENILE DELINQUENCY; VIOLENCE, HABITUAL
ALCOHOL
  antisocial personality disorder and, 94-102
  behavioral effects in children, 158
  borderline personality disorder and, 94-102
  criminal behavior, 94-102
  impulsivity and, 94-102
  intermittent explosive disorder and, 94-102
  violence and, 94-102
ALERTNESS *see* ATTENTION; PERFORMANCE
ALLERGY *see* FOOD ALLERGY
AMINO ACIDS
  blood-brain barrier transport of, 19-22
  competition of, 21, 28
  effect on sleep, 70-73
  large neutral, competition of, 21, 28, 52, 63, 80
  neurotransmitter synthesis and, 7
ANIMAL EXPERIMENTATION
  behavioral teratology and, 185-192
  behavioral toxicology and, 185-192
  consequences of diet modification, 177-178
  controls, 183
  feeding procedures, 183
  human application of, 193-203
  nutritional adequacy in, 176-177
  nutritional control in, 175-183
ANOREXIA NERVOSA
  affective disturbances and, 78-80
  defined, 78
  5-hydroxyindoleacetic acid levels and, 79
ANTHROPOMETRIC ASSESSMENT
  methods of, 219-220
ANTIDEPRESSANTS
  in bulimics, 81-82
  effect on appetite and weight, 84
ANTISOCIAL PERSONALITY DISORDER
  alcohol use and, 94-102
  defined, 96
  hypoglycemia and, 89, 94-102
APPETITE
  and brain serotonin levels, 3, 30-35
ARSONISTS
  hypoglycemia in, 98
ASPARTAME
  behavioral effects of, 144-150, 161, 185
  cognitive effects of, 144-150
ATP, *see* ADENOSINE TRIPHOSPHATE
ATTENTION
  effect of carbohydrate-protein intake on, 53-59
  sucrose and, 151-157
  sustained, acute effect of meals on, 163-171
  tryptophan-serotonin levels and, 53-54
ATTENTIONAL PERFORMANCE
  and sucrose, 151-157
ATTENTION DEFICIT DISORDER
  with hyperactivity, 135

BASOPHIL HISTAMINE RELEASE ASSAY, 108
BEHAVIOR
  alcohol and, 94-102, 159
  aspartame and, 144-150, 161, 185
  caffeine and, 61-69, 158-160
  carbohydrates and, 51-59, 61-69
  child, and diet, 151-157
  child, and food additives, 151
  circadian rhythms and, 56, 163-171
  criminal, 89-134
  diet and, designs for study of, 42-47
  effect of foods and nutrients on, 42-88
  food additives and, 151, 174
  food allergy and, 104-111
  human applications of animal results, 193-203
  individuality of, in response to diet constituents, 237-241
  infant, 74-77
  institutional, 122-131
  NutraSweet® and, 144-150, 185
  and nutritional effects on brain function, 14
  protein and, 51-59, 61-69
  selection of, for study, 225
  serotonin and *see* SEROTONIN
  social, and malnutrition, 224-235

sucrose and, 89-93, 144-150
tryptophan and, *see* TRYPTOPHAN
tyrosine and, 61-69
see also MOOD; PERFORMANCE
BEHAVIOR ASSESSMENT
of hyperactive children, 135-143, 145, 152-153
by parents, 135-136
teacher rating scales, 136-137
BEHAVIORAL EFFECTS
of dietary substances, 158
of malnutrition, 224-235
of sucrose-aspartame ingestion, 144-150
BEHAVIORAL TERATOLOGY, 185-192
BEHAVIORAL TOXICOLOGY, 185-192
BHA *see* BUTYLATED HYDROXYANISOLE
BHT *see* BUTYLATED HYDROXYTOLUENE
BIAS
in double-blind procedures, 174
in sampling, 43
BIOCHEMICAL ASSESSMENT, 220-222
BLOOD-BRAIN BARRIER
defined, 12
nutrient transport systems of, 16
structure and function of, 16
BLOOD-CEREBROSPINAL FLUID BARRIER
structure and function of, 16
BORDERLINE PERSONALITY DISORDER
alcohol use and, 94-102
defined, 96
hypoglycemia and, 94-102
BRAIN FUNCTION
anatomical basis of, 12
effect of foods and nutrients on, 2-41
nutritional control of tryptophan-serotonin levels and, 2-5, 25-35
trace elements and, 37-40
BRAIN METABOLISM
biochemical basis of, 13-14
blood-brain barrier transport and, 15-22
energy requirements, 15
nutritional control of, 15-22
nutritional requirements, 14
substrate-limited pathways of, 16
BREAKFAST
performance following, 167-168
BULIMIA
defined, 80
depression and, 80-82
tryptophan-serotonin levels and, 81
BUTYLATED HYDROXYANISOLE (BHA)
and hyperactivity, 185
BUTYLATED HYDROXYTOLUENE (BHT)
and hyperactivity, 185

CAFFEINE
action of, 67
behavioral effects of, 67-68, 158-160
individuality of response to, 238
cAMP *see* ADENOSINE-3′,5′-CYCLIC MONOPHOSPHATE
CARBOHYDRATE CRAVING
and depression, 82
CARBOHYDRATES
effect on behavior, 51-59, 61-69
effect on mood, 51-59, 65-67
effect on performance, 65-67
effect on tryptophan-serotonin levels, 2-5, 25-35, 52-54, 62
hyperactivity and, 135-162
CATECHOLAMINES
nutritional control of, 2-5, 6-11, 53
tyrosine ingestion and, 2-5, 62
CENTER FOR FOOD SAFETY AND APPLIED NUTRITION, 241-245
CHILD BEHAVIOR PROFILE, 137
CHILDREN
behavioral assessment of, 135-143
diet and behavior in, 135-162, 151-157
effect on caffeine on, 158-160
hyperactivity in, 135-143
CHOLINE
blood-brain barrier transport of, 22
CINCINNATI TEST BATTERY
for teratogenicity in rats, 187-190
CIRCADIAN RHYTHMS
vs meal-related behavior change, 56, 165
performance and, 163-171
CLINICAL PHARMACOLOGY
bearing on response individuality, 237-141
COGNITIVE FUNCTION
acute effect of meals on, 163-171
aspartame and, 144-150
sucrose and, 144-150
CONCOMITANT VARIABLES
cautions concerning, 247-248
CONNERS TEACHER RATING SCALE, 137-138
CONSTRUCT VALIDITY, 225-235
COORDINATED STATE SURVEILLANCE SYSTEM (CSSS), 205-212
COPPER DEFICIENCY
brain function and, 39
CORRECTIONAL RESEARCH
guidelines for, 132-134
human experimentation and, 129, 132-34, 249-250
issues and concerns, 122-125
review of, 89-93, 125-128
time-series design, 122-131
CORRECTIONAL STANDARDS
food service, 132-134
human experimentation, 132-134, 249-250
CRETINISM, 37

CRIMINAL BEHAVIOR
hypoglycemia and, 89-93, 122-131
diet and, 89-134
see also AGGRESSION; JUVENILE DELINQUENCY; VIOLENCE, HABITUAL
CROSS-CULTURAL NUTRITION
bearing on study design, 172-252
CSSS *see* COORDINATED STATE SURVEILLANCE SYSTEM
CYCLIC ADENOSINE MONOPHOSPHATE *see* ADENOSINE-3',5'-CYCLIC MONOPHOSPHATE
DATA COLLECTION
coding, 228
methods, 227
observations vs ratings, 230
observer familiarity, 234
see also STUDY DESIGN
DEPRESSION
in anorexia nervosa, 78-80
atypical, defined, 83
atypical, eating disturbances of, 82-85
in bulimia, 80-82
5-HT, and, 112-120
major, defined, 83
major, eating disturbances of, 82-83
tryptophan levels and, 112-120
tryptophan treatment of, 53
DEVELOPMENT
behavior and, 185-192
DIABETIC MOTHERS
infants of, 76-77
DIET
child behavior and, 151-157
control of serotonin synthesis by, 2-5, 6-11, 25-35, 52
criminal behavior and, 89-134
designs for study *see* STUDY DESIGN
effect on behavior, 42-88
effect on brain function, 2-41
hyperactivity and, 135-162
see also FOOD *headings*
DIETARY ASSESSMENT
of individuals, 213-222
methods of, 217-219
DIETARY CONTROL
in experimental animals, 175-183
DIETARY METHODS, 204-212
DIETARY PHARMACOLOGY, 246-250
DIET AND BEHAVIOR
regulatory perspective of, 241-245
DIET CONTROL
in human experiments, 48-49
DIET SURVEYS, 46, 204-212
L-DOPA (L-3-HYDROXYTYROSINE)
human application of animal results, 193-195
DOPAMINE
action of, 14
DOSE-EFFECT RELATIONSHIPS
importance in diet-behavior study, 247-248
DOUBLE-BLIND PROCEDURES
bias and, 174
DROWSINESS *see* SLEEP
DRUG INTERACTIONS
individual chemical environment and, 239

ELIMINATION DIETS, 108
ELISA *see* ENZYME-LINKED IMMUNOSORBENT ASSAY
ENDOCRINOLOGY, 12-15
ENZYME-LINKED IMMUNOSORBENT ASSAY, 107
EPIDEMIOLOGIC DIET STUDIES
bias, 43
dietary intake measurement, 44
food frequency questionnaires, 46
role of diet, 46-47
sample base, 42
sample size, 43-44
sampling, 42
24-hour recall, 44-45
ESTROGEN
effect on tryptophan metabolism, 53
ETHANOL *see* ALCOHOL
EXPERIMENTATION *see* ANIMAL EXPERIMENTATION; HUMAN EXPERIMENTATION
EXTRAVERSION
and post-lunch dip, 163-171

FDA *see* FOOD AND DRUG ADMINISTRATION
FOOD ADDITIVES
child behavior and, 151
dosage and behavioral effects, 174
FOOD ALLERGY
behavior and, 109-111
defined, 104-105
diagnosis of, 106-109
immune mechanisms and clinical characteristics, 104-105
FOOD AND BEHAVIOR *see* BEHAVIOR; DIET
FOOD CHALLENGES, 108-109
FOOD CONSUMPTION SURVEYS, 204-212
FOOD AND DRUG ADMINISTRATION (FDA)
Center for Food Safety and Applied Nutrition, 241-245
regulatory responsibilities of, 241-245
use of neurobehavioral data, 243
FOOD FADS
in correctional facilities, 92-93
legal defense and, 92
FOOD HYPERSENSITIVITY

behavior and, 109-111
defined, 104-105
diagnosis of, 106-109
immune mechanisms and clinical characteristics, 104-105
FOOD SAFETY
FDA regulation of, 241-245
FOOD SELECTION
animal, 182
and brain serotonin levels, 3, 30-35
FOOD USAGE SURVEY, FDA, 207-212

GLUCOSE
blood-brain barrier transport of, 18-19
brain utilization of, 18-19
hyperactivity and, 160-161
see also HYPOGLYCEMIA, REACTIVE

HABITUAL VIOLENCE *see* VIOLENCE, HABITUAL
HEXOKINASE
brain glucose utilization and, 18
5-HIAA *see* 5-HYDROXYINDOLEACETIC ACID
HILLSIDE BEHAVIOR RATING SCALE, 142
5-HT *see* 5-HYDROXYTRYPTAMINE
5-HTP *see* 5-HYDROXYTRYPTOPHAN
HUMAN EXPERIMENTATION
correctional research and, 129, 132-134, 249-250
diet control in, 48-49
human rights and, 249-250
hypothesis formulation, 47
mechanisms, 47
sample size, 48
sampling, 47-48
HUMORAL BALANCE
cultural beliefs concerning, 172
5-HYDROXYINDOLEACETIC ACID (5-HIAA)
in animal experiments, 179-180
in bulimic anorexics, 79
in bulimics, 81
in habitually violent men, 94-95, 102
5-HYDROXYTRYPTAMINE (5-HT)
aggression and, 112-120
depression and, 112-120
dietary influences on levels of, 112-120
in animal experiments, 179-180
mania and, 112-120
5-HYDROXYTRYPTOPHAN (5-HTP)
depression and, 53
HYPERACTIVITY
alcohol and, 158
aspartame and, 161
attention deficit disorder and, 135
BHA and, 185
BHT and, 185
caffeine and, 158
carbohydrate intake and, 135-162
childhood, defined, 135-143
diet and, 125-126
glucose and, 160-161
sucrose and, 151-157, 160-161
sugar and, 160-161
HYPOGLYCEMIA, REACTIVE
antisocial personality and, 89, 94-102
in arsonists, 98
borderline personality and, 94-102
brain glucose utlization and, 19
criminal behavior and, 89-93, 122-131
impulsivity and, 94-102
intermittent explosive disorder and, 96, 94-102
violence and, 89-93, 125
HYPOTHESIS FORMULATION, 47
HYSTEROID DYSPHORIA
and eating disturbances, 83-84
IDMs *see* INFANTS OF DIABETIC MOTHERS
IMPULSIVITY
alcohol intake and, 94-102
hypoglycemia and, 94-102
INDIVIDUALITY
in dietary responses, 238
INFANT BEHAVIOR
assessment of, 74-75
diet and, 75-76
effect of neurotransmitters on, 74-77
INFANTS OF DIABETIC MOTHERS (IDMs)
behavior of, 76-77
INSOMNIA
effect of tryptophan-serotonin levels on, 70-73
INSTITUTIONAL BEHAVIOR
methods and issues concerning, 122-131
nutritional influences on, 122-131
INSULIN LEVELS
antisocial personality and, 94-102
borderline personality and, 94-102
intermittent explosive disorder and, 94-102
INTERMITTENT EXPLOSIVE DISORDER
alcohol and, 94-102
defined, 96
hypoglycemia and, 89, 94-102
insulin levels and, 94-102
INTROVERSION
and post-lunch dip, 163-171
IODINE DEFICIENCY
brain function and, 37
IRON
intake and neurotransmitter synthesis, 7-8
IRON DEFICIENCY
brain function and, 38

JUVENILE DELINQUENCY
effect of diet on, 90-93
see also AGGRESSION; CRIMINAL BEHAVIOR; VIOLENCE, HABITUAL

KETONE BODIES, 22-23

LABORATORY ANIMALS *see* ANIMAL EXPERIMENTS
LACTATE, 22-23
LEAD
  brain function and, 39-40
LECHITHIN
  acetylcholine levels and, 4
  senile mental decline and, 199-202
LUNCH
  performance following, 165-167

MALNUTRITION
  behavioral effects of, 224-235
MANGANESE DEFICIENCY
  brain function and, 39
MANIA
  5-HT and, 112-120
  tryptophan levels and, 112-120
MEASUREMENT TECHNIQUES
  selection of behavior, 225
  standardization of instruments, 225
  timing, 235
  variable selection, 224
  see also STUDY DESIGN
MELATONIN
  actior of, 14
MERCURY
  brain function and, 39-40
MINERALS
  neurotransmitter synthesis and, 7
MONOSODIUM GLUTAMATE (MSG)
  brain damage and, 185
MOOD
  carbohydrates and, 65-67
  eating disorders and, 78-85
  effect of carbohydrate-protein intake on, 53-59
  protein and, 65-67
  tryptophan-serotonin levels and, 53-54, 64-65
  tyrosine and, 64-65
  see also BEHAVIOR; PERFORMANCE
MSG *see* MONOSODIUM GLUTAMATE
NATIONAL CENTER FOR TOXICOLOGICAL RESEARCH (NCTR), 190-191
NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY (NHANES), 205-212
NATIONWIDE FOOD CONSUMPTION SURVEY (NFCS), 207-212
NCTR *see* NATIONAL CENTER FOR TOXICOLOGICAL RESEARCH
NEURONS
  defined, 12
NEUROPEPTIDES
  nutritional control of, 6
NEUROTRANSMITTERS
  actions of, 14
  defined, 12
  effect of protein-carbohydrate intake on, 52
  mechanisms of nutritional control, 14
  nutritional control of synthesis, 2-5, 6-11
  see also SEROTONIN
NEUROTRANSMITTER PRECURSORS
  human application of animal results, 194-199
  see also TRYPTOPHAN
NEWBORN SLEEP
  effect of tryptophan-serotonin levels on, 74-77
NFCS *see* NATIONWIDE FOOD CONSUMPTION SURVEY
NHANES *see* NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY
NOREPINEPHRINE
  action of, 14
NUTRASWEET®
  behavioral effects of, 144-150, 185
  cognitive effects of, 144-150
  see also ASPARTAME
NUTRIENT COMPOSITION LABORATORY, USDA, 209
NUTRIENT DATA BANK, USDA, 209
NUTRIENT TRANSPORT
  across blood-brain barrier, 15-22
NUTRIENTS
  child behavior and, 151-157
  control of serotonin synthesis by, 2-5, 6-11, 25-35, 52
  criminal behavior and, 89-134
  designs for study *see* STUDY DESIGN
  effect on behavior, 42-88
  effect on brain function, 2-41
  hyperactivity and, 135-162
  see also FOOD *headings*
NUTRITIONAL ASSESSMENT
  methods of, 217-219
  of individuals, 213-222
NUTRITIONAL CONTROL
  in experimental animals, 175-183
NUTRITION SURVEYS, 204-212
NUTRITURE, 213, 222

OBESITY
  depression and, 82
PARENTS
  behavior assessment by, 135-136
PARKINSON'S DISEASE
  and L-Dopa, 193-195
PERFORMANCE
  acute effects of meals on, 163
  caffeine and, 67
  carbohydrates and, 53-59, 65-67
  protein and, 53-59, 65-67
  tryptophan-serotonin levels and, 53-54, 64-65

tyrosine and, 64-65
see also BEHAVIOR; MOOD
PERFORMANCE, ATTENTIONAL
sucrose and, 151-157
PERSONALITY INVENTORY FOR CHILDREN (PIC) 136-137
PHARMACOGENETICS
and dietary response individuality, 240
PHARMACOLOGY
clinical, 237-241
dietary, 246-250
PHENYLALANINE
blood-brain barrier transport of, 21
competition with neutral amino acid transport in brain, 21
PHENYLALANINE HYDROXYLASE
neurotransmitter synthesis and, 7-8
PIC *see* PERSONALITY INVENTORY FOR CHILDREN
POST-LUNCH DIP
performance and, 163-171
PRISONS *see* CORRECTIONAL RESEARCH; CORRECTIONAL STANDARDS
PROTEIN
effect on behavior, 52-59, 61-69
effect on mood and performance, 52-59, 65-67
effect on neurotransmitter synthesis, 7
effect on serotonin synthesis, 2-5, 62
effect on tryptophan-serotonin levels, 2-5, 25-35, 56-58, 62
PURINE
blood-brain transport of, 22

RADIOALLERGOSORBENT TEST (RAST), 107
RAST *see* RADIOALLERGOSORBENT TEST
RAT
protein-carbohydrate control of serotonin synthesis in, 25-35
see also ANIMAL EXPERIMENTATION
RDA *see* RECOMMENDED DIETARY ALLOWANCES
REACTION TIME
effect of carbohydrate-protein intake on, 53-59
tryptophan-serotonin levels and, 53-54
RECOMMENDED DIETARY ALLOWANCES (RDA)
appropriate use of, 215
RESEARCH, DIET AND BEHAVIOR
behavior as an outcome in, 174
correctional, 89-93, 125-129, 132-134
strategies for improving, 172-252
interdisciplinary, need for, 250
methodology *see* STUDY DESIGN
RESPONSE CURVES
in diet-behavior research, 174

SAMPLE SIZE, 48
SAMPLING, 42, 47-48
SEDATION *see* SLEEP
SENILITY
lecithin and, 199-202
SEROTONIN
aggression and, 112-120
in animal experiments, 179-180
behavior and, 53
in bulimics, 81
depression and, 112-120
dietary influences on levels of, 112-120
effect on infant behavior, 74-77
effect on mood and performance, 64-65
effect on newborn sleep, 74-77
effect on sleep, 70-77, 194-199
estrogen and, 53
human application of animal results, 194-199
mania and, 112-120
nutritional control of, 2-5, 6-11, 25-35, 52, 62
protein-carbohydrate intake and, 25-35, 62
sleep inducement with, 70-73, 194-199
SIGNAL DETECTABILITY
acute effect of meals on, 163-171
SKIN TESTING, 107
SLEEP
effect of amino acids on, 70-73
effect of carbohydrate-protein intake on, 53-59
newborn, 74-77
tryptophan-serotonin levels and, 53-54, 74-77, 194-199
SLEEPING MEDICATION
tryptophan as, 72-73
SOCIAL BEHAVIOR
and malnutrition, 224-235
STONY BROOK CODE (ABIKOFF), 140
STUDY DESIGN
animal experimentation, 175-183
for animal experiments on behavioral toxicity and teratology, 185-192
background, 63
cultural bias and, 172-175
diet-crime research, 93, 128-131
epidemiologic, 42-47
experimental, 47-50
food selection, 63
measurement techniques, 224-225, 235
pure food constituents in, 63
see also RESEARCH, DIET AND BEHAVIOR
SUCROSE
attentional performance and, 151-157
behavioral effects of, 144-150
cognitive effects of, 144-150
criminal behavior and, 89-93
hyperactivity and, 151-157, 160-161

SUGAR
hyperactivity and, 160-161
SURVEYS, FOOD CONSUMPTION, 204-212

TEACHERS
behavior assessment by, 136-143
TERATOLOGY, BEHAVIORAL, 185-192
TETRAHYDROBIOPTERIN
neurotransmitter synthesis and, 7, 9
TIME-SERIES DESIGN
in correctional research, 122-131
TOXICOLOGY
FDA regulation and, 241-245
of food chemicals, 241-245
TOXICOLOGY, BEHAVIORAL, 185-192
TRACE ELEMENTS
brain function and, 37-40
TRYPTOPHAN
action of, 14
aggression and, 112-120
in animal experiments, 179-180
behavior and, 53, 61-69
in bulimics, 81
depression and, 112-120
dietary influences on levels of, 112-120
effect on infant behavior, 74-77
effect on mood and performance, 64-65
effect on newborn sleep, 74-77
effect on sleep, 70-73, 194-199
estrogen and, 53
human application of animal results, 194-199
mania and, 112-120
metabolism in habitually violent men, 94-95, 102
nutritional control of, 2-5, 6-11, 25-35, 52, 62
protein-carbohydrate intake and, 25-35, 62
serotonin levels and, 2-5, 62
sleep inducement with, 70-73, 194-199
TRYPTOPHAN HYDROXYLASE
serotonin synthesis and, 10-11
TWINKIE DEFENSE, 92
TYROSINE
in aimal experiments, 179-180
catecholamine levels and, 2-5, 62
effect on mood and performance, 64-65
nutritional control of, 2-5, 62
TYROSINE HYDROXYLASE
neurotransmitter synthesis and, 7-8

UNITED STATES DEPARTMENT OF AGRICULTURE
Nutrient Composition Laboratory, 209
Nutrient Data Bank, 209

VIOLENCE, HABITUAL
alcohol intake and, 94-102
and hypoglycemia, 94-102
see also AGGRESSION; CRIMINAL BEHAVIOR; JUVENILE DELINQUENCY
VITAMINS
neurotransmitter synthesis and, 7

WHITE, DAN
Twinkie defense of, 92

ZINC DEFICIENCY
brain function and, 38-39